

Figure 1 (162 pages)

Table 3

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0	0	2	7.678	5.328	0.000	0.00	0.000
0	0	4	596.002	13.637	830.981	0.00	1.000
0	0	8	503.049	10.762	147.045	0.00	0.210
0	0	10	916.070	19.109	1270.218	180.00	1.000
0	0	12	1667.431	37.857	2301.430	0.00	1.000
0	0	14	616.081	13.226	849.169	180.00	1.000
0	0	16	295.837	5.555	406.223	0.00	1.000
0	0	18	478.528	7.881	653.782	180.00	1.000
0	0	20	42.184	12.801	39.119	180.00	0.707
0	0	22	245.609	5.074	332.299	180.00	1.000
0	0	24	516.627	8.288	694.534	180.00	1.000
0	0	26	173.434	7.253	153.749	0.00	0.664
0	0	28	558.227	11.628	740.466	180.00	1.000
0	0	30	218.609	7.254	287.593	180.00	1.000
0	0	32	649.374	10.457	848.003	180.00	1.000
0	0	34	338.306	8.815	438.050	180.00	1.000
0	0	36	493.791	12.528	632.769	180.00	1.000
0	0	38	408.290	10.917	517.902	180.00	1.000
0	0	40	41.633	18.048	47.023	180.00	0.906
0	0	42	59.069	23.691	66.989	180.00	0.939
0	1	3	41.208	2.888	28.295	180.00	0.492
0	1	5	231.950	3.847	323.319	0.00	1.000
0	1	7	280.814	4.914	390.902	0.00	1.000
0	1	9	268.971	4.644	370.105	180.00	0.990
0	1	11	720.470	11.467	997.930	0.00	1.000
0	1	13	654.992	10.734	904.492	0.00	1.000
0	1	15	289.882	5.360	398.960	0.00	1.000
0	1	17	151.011	3.380	206.821	180.00	0.999
0	1	19	413.113	6.356	563.356	0.00	1.000
0	1	21	63.302	6.270	83.903	180.00	0.977
0	1	23	41.428	13.475	41.569	180.00	0.746
0	1	25	205.171	3.970	275.053	0.00	1.000
0	1	27	490.380	5.933	653.005	180.00	1.000
0	1	29	56.986	12.351	49.666	180.00	0.660
0	1	31	497.590	6.479	652.621	180.00	1.000
0	1	33	50.154	17.623	33.915	180.00	0.522
0	1	35	231.352	6.226	298.200	180.00	1.000
0	1	37	180.542	10.622	229.834	180.00	1.000
0	1	39	135.559	14.749	169.434	180.00	0.998
0	1	41	37.164	16.228	23.833	0.00	0.523
0	1	43	152.116	19.701	179.259	0.00	1.000
0	2	2	140.539	6.938	190.335	180.00	0.974
0	2	4	1211.783	21.028	1686.511	180.00	1.000
0	2	6	1398.622	35.122	1936.348	0.00	1.000
0	2	8	78.700	3.148	25.835	180.00	0.239
0	2	10	59.943	7.012	5.014	180.00	0.061
0	2	12	472.409	7.508	652.878	180.00	1.000
0	2	14	82.791	6.536	73.908	0.00	0.655
0	2	16	389.267	5.605	534.532	180.00	1.000
0	2	18	284.901	4.870	388.783	0.00	1.000
0	2	20	575.406	7.975	782.239	0.00	1.000
0	2	22	330.070	4.307	446.576	180.00	1.000
0	2	24	308.920	4.068	415.120	0.00	1.000
0	2	26	28.229	11.562	16.518	0.00	0.461
0	2	28	69.409	11.141	62.494	0.00	0.680
0	2	30	205.586	5.143	270.430	180.00	1.000
0	2	32	203.158	6.796	265.194	180.00	1.000
0	2	34	123.294	8.814	159.347	0.00	0.999
0	2	36	51.215	21.651	64.223	0.00	0.997
0	2	38	62.877	21.263	18.630	0.00	0.238
0	2	40	41.608	15.958	12.290	0.00	0.238
0	2	42	160.997	8.970	170.566	0.00	0.858
0	3	1	38.765	3.616	30.472	0.00	0.575
0	3	3	325.122	5.394	453.725	180.00	1.000
0	3	5	89.991	2.103	101.024	180.00	0.808
0	3	7	104.357	3.034	48.943	180.00	0.338
0	3	9	478.549	8.676	664.641	180.00	1.000
0	3	11	638.075	9.069	883.873	180.00	1.000

0	3	13	271.203	4.637	374.479	180.00	1.000
0	3	15	622.079	10.378	855.789	180.00	1.000
0	3	17	126.171	5.440	172.666	0.00	1.000
0	3	19	208.942	5.388	284.721	180.00	1.000
0	3	21	597.539	9.479	809.981	180.00	1.000
0	3	23	160.201	4.588	207.254	0.00	0.959
0	3	25	175.917	5.689	235.725	0.00	1.000
0	3	27	52.856	12.920	30.866	0.00	0.439
0	3	29	328.860	5.916	434.714	0.00	1.000
0	3	31	268.842	4.903	352.627	0.00	1.000
0	3	33	237.369	5.989	308.713	180.00	1.000
0	3	35	525.110	6.901	676.655	0.00	1.000
0	3	37	119.482	9.578	152.145	180.00	1.000
0	3	39	40.968	16.493	46.383	180.00	0.907
0	3	41	31.111	14.412	33.412	0.00	0.873
0	4	2	978.619	27.264	1360.805	180.00	1.000
0	4	4	1061.887	15.095	1479.632	180.00	1.000
0	4	6	416.927	5.476	580.079	180.00	1.000
0	4	8	925.546	13.955	1286.069	180.00	1.000
0	4	10	263.453	4.822	365.112	180.00	0.999
0	4	12	453.626	12.596	626.735	0.00	1.000
0	4	14	500.311	8.026	689.530	0.00	1.000
0	4	16	159.513	3.745	218.892	180.00	1.000
0	4	18	85.165	9.157	84.170	0.00	0.736
0	4	20	135.946	4.123	166.668	0.00	0.903
0	4	22	169.260	4.735	97.439	0.00	0.426
0	4	24	54.517	11.344	49.018	0.00	0.687
0	4	26	207.613	4.385	277.237	180.00	1.000
0	4	28	100.500	7.343	131.702	0.00	0.988
0	4	30	308.269	4.873	405.796	0.00	1.000
0	4	32	33.806	13.924	17.845	0.00	0.411
0	4	34	364.047	6.026	471.329	0.00	1.000
0	4	36	175.087	9.746	224.069	0.00	1.000
0	4	38	89.461	13.381	59.360	180.00	0.527
0	4	40	115.520	11.887	144.045	180.00	1.000
0	4	42	63.106	29.569	64.788	180.00	0.906
0	5	1	144.213	2.467	163.347	180.00	0.814
0	5	3	558.858	9.218	779.627	180.00	1.000
0	5	5	385.159	9.401	534.980	180.00	0.997
0	5	7	180.764	3.272	222.577	0.00	0.887
0	5	9	260.038	4.614	356.295	0.00	0.986
0	5	11	785.753	11.827	1088.069	180.00	1.000
0	5	13	418.919	7.585	578.286	0.00	1.000
0	5	15	478.832	8.651	658.683	0.00	1.000
0	5	17	242.688	4.766	300.896	0.00	0.905
0	5	19	182.440	4.866	248.456	0.00	1.000
0	5	21	127.149	4.510	172.473	180.00	1.000
0	5	23	294.604	4.941	397.293	0.00	1.000
0	5	25	163.905	4.775	219.498	180.00	1.000
0	5	27	139.479	7.469	185.342	180.00	0.998
0	5	29	65.088	15.952	22.539	0.00	0.263
0	5	31	279.675	5.038	366.740	180.00	1.000
0	5	33	338.795	5.894	440.558	0.00	1.000
0	5	35	296.743	6.196	382.366	0.00	1.000
0	5	37	102.516	13.388	128.027	180.00	0.985
0	5	39	82.249	18.647	100.895	180.00	0.988
0	5	41	47.128	17.733	27.510	180.00	0.480
0	6	0	131.484	3.204	155.401	180.00	0.854
0	6	2	266.773	3.849	372.123	180.00	1.000
0	6	4	659.148	7.361	919.135	180.00	1.000
0	6	6	832.037	11.819	1158.183	0.00	1.000
0	6	8	443.086	6.872	615.887	0.00	1.000
0	6	10	579.444	7.980	803.627	0.00	1.000
0	6	12	188.239	3.220	259.531	0.00	1.000
0	6	14	105.413	3.958	144.420	180.00	0.997
0	6	16	76.266	11.501	93.408	180.00	0.895
0	6	18	258.171	7.370	352.301	180.00	1.000
0	6	20	326.879	5.406	444.429	180.00	1.000
0	6	22	180.218	4.457	243.745	180.00	1.000
0	6	24	25.229	12.174	8.372	180.00	0.269
0	6	26	210.852	5.858	281.547	0.00	1.000
0	6	28	284.863	5.554	377.890	0.00	1.000
0	6	30	64.369	15.941	5.797	180.00	0.069
0	6	32	126.177	8.985	155.357	0.00	0.944
0	6	34	330.130	6.415	427.293	180.00	1.000
0	6	36	76.579	19.838	95.749	0.00	0.988
0	6	38	158.078	7.718	200.364	0.00	1.000

0	6	40	183.184	8.414	229.335	0.00	1.000
0	6	42	40.690	24.786	42.088	0.00	0.909
0	7	1	511.656	5.560	713.895	180.00	1.000
0	7	3	634.838	7.094	885.644	0.00	1.000
0	7	5	358.989	5.063	499.923	0.00	1.000
0	7	7	838.119	10.296	1165.817	180.00	1.000
0	7	9	204.783	3.787	267.667	0.00	0.941
0	7	11	389.025	5.478	538.539	180.00	1.000
0	7	13	471.789	6.622	651.090	180.00	1.000
0	7	15	299.977	4.651	412.669	180.00	1.000
0	7	17	131.263	3.811	179.124	180.00	0.999
0	7	19	135.592	4.588	184.126	180.00	1.000
0	7	21	249.754	5.467	338.719	180.00	1.000
0	7	23	38.269	15.123	2.735	0.00	0.054
0	7	25	353.793	5.697	473.977	180.00	1.000
0	7	27	29.355	13.212	30.859	180.00	0.793
0	7	29	809.198	14.281	1067.235	0.00	1.000
0	7	31	134.739	9.680	169.772	0.00	0.963
0	7	33	246.259	6.805	320.078	180.00	1.000
0	7	35	39.071	16.801	32.712	180.00	0.657
0	7	37	48.982	19.220	4.479	180.00	0.073
0	7	39	46.106	16.980	37.108	180.00	0.648
0	7	41	29.200	14.274	5.302	180.00	0.149
0	8	0	249.840	4.125	319.012	0.00	0.916
0	8	2	328.168	4.581	457.881	0.00	1.000
0	8	4	275.883	3.971	384.624	180.00	1.000
0	8	6	404.904	5.623	563.622	0.00	1.000
0	8	8	140.368	3.017	155.736	180.00	0.799
0	8	10	22.273	7.666	17.948	0.00	0.595
0	8	12	797.021	10.961	1101.536	180.00	1.000
0	8	14	419.659	7.637	578.115	180.00	1.000
0	8	16	260.371	4.342	357.375	180.00	1.000
0	8	18	30.433	13.020	10.247	0.00	0.259
0	8	20	79.294	11.834	107.325	180.00	0.999
0	8	22	307.264	5.319	415.517	180.00	1.000
0	8	24	79.379	10.564	92.621	180.00	0.872
0	8	26	187.632	6.087	250.525	0.00	1.000
0	8	28	61.326	18.304	79.297	0.00	0.979
0	8	30	189.165	6.710	245.456	180.00	0.986
0	8	32	291.532	8.069	380.368	0.00	1.000
0	8	34	191.807	10.890	247.761	180.00	1.000
0	8	36	84.142	15.770	44.969	0.00	0.421
0	8	38	110.779	14.955	137.659	180.00	0.990
0	8	40	24.407	12.246	3.534	180.00	0.117
0	9	1	291.852	4.584	360.158	180.00	0.886
0	9	3	102.028	4.251	58.098	180.00	0.408
0	9	5	180.528	3.656	217.953	0.00	0.870
0	9	7	28.344	8.396	0.640	180.00	0.020
0	9	9	35.790	8.698	30.606	180.00	0.617
0	9	11	218.741	3.170	302.257	0.00	1.000
0	9	13	97.544	4.405	124.169	0.00	0.934
0	9	15	94.555	4.731	39.179	0.00	0.301
0	9	17	82.642	4.831	110.695	180.00	0.988
0	9	19	381.728	5.567	519.963	0.00	1.000
0	9	21	24.744	10.621	0.249	0.00	0.007
0	9	23	132.437	7.109	178.037	0.00	1.000
0	9	25	188.504	4.949	252.197	0.00	1.000
0	9	27	240.752	6.756	320.348	0.00	1.000
0	9	29	114.550	10.576	150.919	0.00	1.000
0	9	31	179.288	6.643	234.739	0.00	1.000
0	9	33	142.439	18.531	183.930	180.00	1.000
0	9	35	78.450	21.756	99.416	0.00	1.000
0	9	37	24.646	12.407	3.826	180.00	0.126
0	9	39	110.005	13.491	137.040	0.00	0.999
0	9	41	33.832	22.701	15.562	180.00	0.406
0	10	0	315.322	5.000	376.211	0.00	0.855
0	10	2	580.132	7.468	809.265	180.00	1.000
0	10	4	650.875	7.322	907.253	0.00	1.000
0	10	6	695.424	10.587	967.835	180.00	1.000
0	10	8	636.723	7.580	884.704	0.00	1.000
0	10	10	929.065	11.343	1287.264	180.00	1.000
0	10	12	327.623	4.201	452.838	0.00	1.000
0	10	14	68.228	5.228	64.259	180.00	0.685
0	10	16	40.073	14.611	42.246	0.00	0.771
0	10	18	233.874	4.214	319.440	0.00	1.000
0	10	20	170.819	4.272	232.198	0.00	1.000
0	10	22	440.273	6.707	595.122	0.00	1.000

0	10	24	38.843	14.693	46.118	0.00	0.890
0	10	26	826.902	12.260	1102.773	0.00	1.000
0	10	28	326.306	6.027	432.611	180.00	1.000
0	10	30	546.454	9.583	718.396	0.00	1.000
0	10	32	90.546	15.549	91.526	0.00	0.778
0	10	34	47.989	17.938	10.864	180.00	0.176
0	10	36	67.721	21.093	83.249	0.00	0.978
0	10	38	61.683	16.952	70.271	0.00	0.913
0	10	40	35.266	15.994	13.851	180.00	0.321
0	11	1	44.370	4.950	31.766	0.00	0.559
0	11	3	357.236	5.728	498.129	180.00	1.000
0	11	5	105.777	4.706	145.467	0.00	1.000
0	11	7	600.867	7.864	835.175	180.00	1.000
0	11	9	19.076	8.695	8.309	0.00	0.315
0	11	11	246.013	3.452	339.950	180.00	1.000
0	11	13	223.640	3.514	307.480	0.00	0.999
0	11	15	223.763	3.525	307.608	180.00	1.000
0	11	17	145.477	4.235	198.486	0.00	1.000
0	11	19	54.827	12.327	44.217	180.00	0.611
0	11	21	260.857	4.815	353.612	0.00	1.000
0	11	23	180.531	4.532	243.033	180.00	1.000
0	11	25	179.359	7.464	238.953	180.00	0.997
0	11	27	84.307	12.610	91.327	0.00	0.816
0	11	29	103.367	9.891	135.330	0.00	0.994
0	11	31	118.973	15.604	152.637	180.00	0.985
0	11	33	392.598	7.783	509.676	0.00	1.000
0	11	35	128.963	12.078	165.096	180.00	1.000
0	11	37	33.745	15.323	20.376	0.00	0.486
0	11	39	45.263	17.689	30.207	0.00	0.544
0	12	0	665.409	9.968	928.120	180.00	1.000
0	12	2	208.336	3.069	290.567	0.00	1.000
0	12	4	402.687	5.728	561.122	0.00	1.000
0	12	6	598.082	7.760	832.138	0.00	1.000
0	12	8	190.630	5.200	264.792	180.00	1.000
0	12	10	101.762	5.973	136.586	180.00	0.969
0	12	12	555.043	6.676	766.700	180.00	1.000
0	12	14	444.244	5.179	611.713	180.00	1.000
0	12	16	125.750	3.748	172.068	0.00	0.997
0	12	18	594.822	8.910	811.771	0.00	1.000
0	12	20	353.446	4.595	480.343	0.00	1.000
0	12	22	289.939	4.315	391.912	180.00	1.000
0	12	24	607.672	8.393	816.078	180.00	1.000
0	12	26	273.178	6.384	364.586	180.00	1.000
0	12	28	425.746	6.683	564.162	180.00	1.000
0	12	30	44.288	16.400	11.834	0.00	0.204
0	12	32	373.314	7.020	486.794	0.00	1.000
0	12	34	186.052	9.371	239.984	180.00	1.000
0	12	36	200.012	9.592	255.286	180.00	1.000
0	12	38	61.323	16.781	66.286	180.00	0.871
0	12	40	114.644	21.289	136.055	180.00	1.000
0	13	1	271.161	3.501	377.473	0.00	1.000
0	13	3	321.787	3.989	448.537	180.00	1.000
0	13	5	438.653	5.224	610.341	180.00	1.000
0	13	7	225.914	3.470	313.269	0.00	1.000
0	13	9	372.857	4.531	517.225	180.00	1.000
0	13	11	33.640	11.162	23.689	0.00	0.559
0	13	13	443.047	5.470	610.648	180.00	1.000
0	13	15	112.474	5.171	145.898	180.00	0.944
0	13	17	35.425	10.668	27.531	180.00	0.600
0	13	19	136.071	4.717	184.515	0.00	1.000
0	13	21	157.836	4.419	213.749	180.00	0.999
0	13	23	350.130	4.829	471.639	0.00	1.000
0	13	25	32.680	13.303	15.359	180.00	0.369
0	13	27	152.866	5.744	203.263	0.00	1.000
0	13	29	129.913	8.042	171.117	180.00	1.000
0	13	31	293.322	6.126	383.973	180.00	1.000
0	13	33	97.284	12.273	124.228	0.00	0.988
0	13	35	62.614	20.680	71.265	180.00	0.904
0	13	37	32.334	14.570	38.642	0.00	0.963
0	13	39	29.043	20.484	0.828	180.00	0.025
0	14	0	111.333	6.979	154.258	0.00	0.994
0	14	2	36.262	10.320	2.569	0.00	0.051
0	14	4	71.645	5.647	91.423	0.00	0.916
0	14	6	317.291	4.774	441.310	180.00	1.000
0	14	8	501.628	6.079	696.300	180.00	1.000
0	14	10	33.377	11.969	33.434	180.00	0.725
0	14	12	508.081	7.426	701.419	180.00	1.000

0	14	14	331.040	4.333	455.708	0.00	1.000
0	14	16	212.061	3.700	290.550	0.00	0.999
0	14	18	482.146	6.085	658.088	0.00	1.000
0	14	20	464.118	7.367	630.264	180.00	1.000
0	14	22	418.760	5.432	565.754	0.00	1.000
0	14	24	221.621	4.758	290.193	0.00	0.975
0	14	26	40.446	14.184	51.048	0.00	0.948
0	14	28	440.401	6.218	583.325	0.00	1.000
0	14	30	166.007	8.819	218.013	0.00	1.000
0	14	32	158.378	12.195	205.656	0.00	1.000
0	14	34	41.151	18.555	22.898	0.00	0.437
0	14	36	28.225	13.520	20.447	0.00	0.573
0	14	38	33.165	16.099	16.705	0.00	0.408
0	15	1	170.240	2.941	236.456	0.00	1.000
0	15	3	43.330	10.337	34.621	180.00	0.574
0	15	5	75.846	4.779	43.756	180.00	0.422
0	15	7	42.407	14.071	49.572	0.00	0.895
0	15	9	18.377	8.607	8.932	0.00	0.352
0	15	11	28.066	10.490	30.000	0.00	0.858
0	15	13	269.392	4.792	370.964	0.00	1.000
0	15	15	76.916	8.108	105.374	180.00	0.998
0	15	17	20.049	9.768	7.051	0.00	0.297
0	15	19	244.139	4.242	305.830	0.00	0.921
0	15	21	41.288	12.474	42.162	180.00	0.756
0	15	23	150.407	6.294	202.189	0.00	1.000
0	15	25	298.750	4.929	399.673	180.00	1.000
0	15	27	91.532	15.825	120.750	180.00	0.996
0	15	29	113.748	8.298	149.747	0.00	1.000
0	15	31	97.829	10.418	93.950	0.00	0.737
0	15	33	31.799	14.147	36.912	0.00	0.903
0	15	35	52.935	17.176	41.146	0.00	0.617
0	15	37	35.468	16.547	10.583	0.00	0.242
0	16	0	144.198	6.230	4.573	180.00	0.023
0	16	2	258.653	3.815	360.341	0.00	1.000
0	16	4	162.090	4.022	225.594	180.00	1.000
0	16	6	180.076	3.758	250.220	0.00	1.000
0	16	8	139.587	4.232	179.169	0.00	0.925
0	16	10	32.342	12.602	10.256	180.00	0.230
0	16	12	286.324	4.029	395.239	180.00	1.000
0	16	14	273.895	4.047	376.857	0.00	1.000
0	16	16	313.239	5.356	429.277	0.00	1.000
0	16	18	29.797	12.089	25.631	0.00	0.640
0	16	20	270.965	4.516	367.924	180.00	1.000
0	16	22	216.677	6.252	292.548	180.00	1.000
0	16	24	24.855	11.744	28.578	0.00	0.868
0	16	26	37.905	14.813	26.333	0.00	0.524
0	16	28	53.199	17.367	39.094	180.00	0.558
0	16	30	57.708	18.453	65.447	180.00	0.872
0	16	32	121.840	18.707	156.417	180.00	1.000
0	16	34	49.746	18.761	16.818	180.00	0.267
0	16	36	44.543	16.008	38.251	0.00	0.687
0	16	38	51.291	29.102	38.625	180.00	0.674
0	17	1	223.718	3.725	311.016	0.00	0.999
0	17	3	283.779	4.370	395.129	180.00	1.000
0	17	5	20.741	9.720	2.086	0.00	0.086
0	17	7	504.040	5.740	699.697	180.00	1.000
0	17	9	271.535	3.861	376.342	180.00	1.000
0	17	11	115.937	4.083	142.930	0.00	0.895
0	17	13	30.314	12.798	20.882	0.00	0.533
0	17	15	343.486	4.623	471.606	0.00	1.000
0	17	17	93.461	8.998	124.954	180.00	0.982
0	17	19	30.062	13.326	16.198	180.00	0.415
0	17	21	171.367	5.014	231.991	0.00	1.000
0	17	23	390.022	6.119	524.840	0.00	1.000
0	17	25	33.929	14.781	23.048	0.00	0.521
0	17	27	134.476	10.036	178.358	0.00	1.000
0	17	29	376.366	5.583	496.134	180.00	1.000
0	17	31	46.737	16.439	37.221	180.00	0.619
0	17	33	68.951	21.087	87.164	180.00	1.000
0	17	35	37.027	15.322	14.793	180.00	0.318
0	17	37	36.226	24.768	26.257	180.00	0.652
0	18	0	928.352	14.512	1291.494	180.00	1.000
0	18	2	465.399	5.292	647.946	180.00	1.000
0	18	4	91.722	7.594	108.013	180.00	0.848
0	18	6	534.152	6.094	741.977	0.00	1.000
0	18	8	42.266	11.983	17.685	180.00	0.304
0	18	10	202.974	3.471	280.866	0.00	1.000

0	18	12	34.031	12.066	40.175	180.00	0.880
0	18	14	31.096	12.710	10.206	0.00	0.242
0	18	16	622.365	7.323	852.277	180.00	1.000
0	18	18	65.136	12.992	4.175	180.00	0.047
0	18	20	74.174	10.702	88.916	180.00	0.886
0	18	22	117.903	7.060	159.046	180.00	1.000
0	18	24	260.738	8.921	337.628	0.00	0.966
0	18	26	238.514	5.978	317.761	180.00	1.000
0	18	28	76.955	16.093	4.708	180.00	0.047
0	18	30	37.662	16.301	29.235	180.00	0.601
0	18	32	99.128	10.616	128.316	180.00	1.000
0	18	34	35.054	15.864	8.149	0.00	0.184
0	18	36	39.405	24.050	13.718	180.00	0.298
0	19	1	181.972	4.328	253.095	180.00	1.000
0	19	3	257.121	4.274	357.818	180.00	1.000
0	19	5	28.593	11.101	4.532	0.00	0.119
0	19	7	405.517	6.001	562.628	0.00	1.000
0	19	9	126.117	5.230	174.670	0.00	1.000
0	19	11	286.054	4.196	395.090	180.00	1.000
0	19	13	54.747	11.034	38.545	180.00	0.517
0	19	15	710.585	8.382	974.595	180.00	1.000
0	19	17	76.386	12.192	14.881	180.00	0.143
0	19	19	100.764	13.741	129.907	180.00	0.952
0	19	21	479.776	7.930	648.762	180.00	1.000
0	19	23	337.396	6.167	453.502	0.00	1.000
0	19	25	54.361	22.056	51.837	180.00	0.724
0	19	27	343.773	5.865	456.175	0.00	1.000
0	19	29	247.841	5.797	326.320	0.00	1.000
0	19	31	33.597	15.662	41.202	180.00	0.957
0	19	33	53.681	17.730	66.647	0.00	0.984
0	19	35	60.941	35.130	38.850	0.00	0.585
0	20	0	562.451	9.167	782.589	180.00	1.000
0	20	2	152.422	4.133	212.001	180.00	1.000
0	20	4	89.387	11.132	19.445	0.00	0.157
0	20	6	629.355	7.331	873.561	180.00	1.000
0	20	8	502.437	6.824	696.251	0.00	1.000
0	20	10	262.494	4.197	363.009	0.00	1.000
0	20	12	97.972	7.914	132.115	180.00	0.982
0	20	14	223.240	4.719	306.745	180.00	1.000
0	20	16	67.210	15.708	91.087	180.00	0.994
0	20	18	218.394	5.311	297.468	180.00	1.000
0	20	20	263.386	6.147	353.859	0.00	0.991
0	20	22	54.579	14.489	48.189	180.00	0.657
0	20	24	66.261	16.295	86.323	0.00	0.981
0	20	26	164.768	7.214	218.649	180.00	0.998
0	20	28	126.155	13.495	165.515	0.00	1.000
0	20	30	91.670	12.387	115.195	0.00	0.967
0	20	32	114.794	13.053	147.243	180.00	1.000
0	20	34	120.374	15.750	150.507	0.00	1.000
0	21	1	73.168	8.263	100.079	180.00	0.986
0	21	3	348.712	4.559	484.976	180.00	1.000
0	21	5	124.540	6.752	172.834	180.00	1.000
0	21	7	44.757	14.574	38.326	0.00	0.623
0	21	9	43.476	13.700	14.104	0.00	0.235
0	21	11	44.891	16.019	28.221	180.00	0.459
0	21	13	266.426	4.906	366.629	0.00	1.000
0	21	15	20.494	10.200	12.401	180.00	0.442
0	21	17	246.998	6.270	335.490	0.00	0.995
0	21	19	197.199	5.316	127.259	180.00	0.475
0	21	21	198.623	6.609	268.425	180.00	1.000
0	21	23	115.319	15.518	154.151	180.00	1.000
0	21	25	177.252	12.627	235.487	180.00	1.000
0	21	27	27.728	13.047	3.903	0.00	0.107
0	21	29	190.006	7.661	247.855	180.00	0.994
0	21	31	251.644	5.633	328.102	180.00	1.000
0	21	33	131.598	16.551	135.820	180.00	0.825
0	22	0	39.752	20.759	4.715	180.00	0.089
0	22	2	180.614	5.152	251.069	0.00	1.000
0	22	4	125.350	7.608	12.800	0.00	0.074
0	22	6	216.324	5.477	299.887	180.00	1.000
0	22	8	252.182	4.572	349.279	0.00	1.000
0	22	10	133.932	6.057	184.474	180.00	0.997
0	22	12	298.023	4.730	402.673	180.00	0.981
0	22	14	364.663	4.933	500.772	0.00	1.000
0	22	16	63.540	17.164	67.107	0.00	0.776
0	22	18	330.165	6.155	449.414	0.00	1.000
0	22	20	425.496	6.191	576.375	180.00	1.000

0	22	22	116.192	10.375	156.190	180.00	1.000
0	22	24	245.986	7.433	328.883	0.00	1.000
0	22	26	208.610	7.005	277.075	0.00	1.000
0	22	28	289.936	6.519	382.309	0.00	1.000
0	22	30	114.748	10.366	148.950	180.00	1.000
0	22	32	46.803	26.120	29.245	0.00	0.530
0	23	1	346.761	4.875	482.148	0.00	1.000
0	23	3	487.026	5.973	676.743	0.00	1.000
0	23	5	36.367	14.121	42.589	0.00	0.847
0	23	7	660.148	9.275	914.293	0.00	1.000
0	23	9	53.934	13.927	29.344	180.00	0.394
0	23	11	39.094	15.907	26.111	0.00	0.486
0	23	13	260.227	4.808	357.873	0.00	1.000
0	23	15	53.752	18.544	35.646	0.00	0.487
0	23	17	230.220	4.897	314.112	180.00	1.000
0	23	19	314.184	7.556	426.320	180.00	1.000
0	23	21	103.817	11.626	139.517	0.00	0.998
0	23	23	40.647	14.890	49.699	180.00	0.919
0	23	25	59.286	23.365	67.456	180.00	0.877
0	23	27	54.074	19.093	69.633	0.00	0.996
0	23	29	43.516	17.159	26.581	0.00	0.478
0	23	31	33.071	22.023	17.189	180.00	0.441
0	24	0	33.853	20.656	3.931	180.00	0.089
0	24	2	153.383	6.374	212.991	0.00	1.000
0	24	4	357.864	6.277	496.764	0.00	1.000
0	24	6	44.202	11.369	56.654	0.00	0.946
0	24	8	293.189	4.756	405.778	0.00	1.000
0	24	10	79.497	16.276	62.586	180.00	0.573
0	24	12	86.779	9.629	78.258	0.00	0.659
0	24	14	138.814	8.465	190.180	0.00	1.000
0	24	16	114.587	12.560	119.465	180.00	0.765
0	24	18	46.093	14.951	60.949	180.00	0.988
0	24	20	29.678	14.342	30.905	180.00	0.783
0	24	22	95.518	13.853	127.183	180.00	0.998
0	24	24	39.285	17.208	14.099	180.00	0.275
0	24	26	143.541	7.385	190.137	0.00	1.000
0	24	28	104.471	20.102	124.996	0.00	0.946
0	24	30	106.112	36.587	94.548	0.00	0.822
0	25	1	335.792	5.019	466.508	180.00	1.000
0	25	3	295.900	6.211	410.783	0.00	1.000
0	25	5	394.643	5.464	547.361	0.00	1.000
0	25	7	64.198	18.734	53.982	180.00	0.611
0	25	9	323.012	6.511	446.247	0.00	1.000
0	25	11	102.189	8.638	22.682	0.00	0.161
0	25	13	341.361	5.514	468.968	180.00	1.000
0	25	15	148.884	8.930	203.139	180.00	0.998
0	25	17	231.192	5.689	315.019	0.00	1.000
0	25	19	43.663	17.926	58.420	0.00	1.000
0	25	21	48.873	20.309	63.535	0.00	0.983
0	25	23	36.872	15.664	43.471	0.00	0.892
0	25	25	165.209	7.492	179.816	0.00	0.820
0	25	27	128.042	10.689	167.423	0.00	1.000
0	26	0	57.251	26.710	60.834	0.00	0.778
0	26	2	395.489	5.990	548.921	0.00	1.000
0	26	4	464.283	6.373	643.842	0.00	1.000
0	26	6	513.038	6.289	710.466	180.00	1.000
0	26	8	308.646	7.871	426.427	180.00	1.000
0	26	10	241.259	6.425	332.680	180.00	1.000
0	26	12	153.742	10.059	16.900	0.00	0.080
0	26	14	28.769	13.157	19.701	180.00	0.507
0	26	16	233.314	6.408	318.239	0.00	1.000
0	26	18	47.118	15.789	30.831	180.00	0.491
0	26	20	255.821	5.414	345.687	180.00	1.000
0	26	22	170.174	6.543	228.370	0.00	1.000
0	26	24	46.412	16.657	17.896	0.00	0.298
0	26	26	23.462	11.911	22.087	180.00	0.728
0	27	1	230.844	6.085	320.293	0.00	1.000
0	27	3	84.265	19.849	78.020	180.00	0.673
0	27	5	329.156	6.435	455.924	180.00	1.000
0	27	7	61.975	18.636	73.669	180.00	0.867
0	27	9	59.886	22.283	81.414	180.00	0.999
0	27	11	131.607	11.951	180.359	0.00	1.000
0	27	13	145.310	10.029	198.724	180.00	1.000
0	27	15	125.475	7.774	171.213	0.00	1.000
0	27	17	140.494	8.490	189.862	180.00	0.996
0	27	19	270.097	5.430	365.674	180.00	1.000
0	27	21	33.974	14.251	20.142	0.00	0.447

0	27	23	110.400	9.688	51.446	180.00	0.351
0	27	25	39.447	25.710	13.961	0.00	0.302
0	28	0	253.018	10.367	350.529	180.00	1.000
0	28	2	130.367	10.174	180.269	0.00	1.000
0	28	4	298.723	6.170	413.696	180.00	1.000
0	28	6	39.782	18.019	52.762	180.00	0.981
0	28	8	53.643	19.133	71.889	0.00	0.986
0	28	10	138.946	9.988	190.710	0.00	1.000
0	28	12	183.857	6.239	252.230	180.00	1.000
0	28	14	213.914	6.629	292.433	180.00	1.000
0	28	16	31.243	14.254	18.594	0.00	0.443
0	28	18	32.346	14.874	36.160	0.00	0.846
0	28	20	81.090	15.715	97.828	0.00	0.916
0	28	22	34.588	15.397	29.964	180.00	0.665
0	28	24	119.447	16.073	137.646	0.00	0.902
0	29	1	155.624	9.587	214.967	0.00	1.000
0	29	3	72.106	19.781	98.141	180.00	1.000
0	29	5	133.294	9.879	183.736	180.00	1.000
0	29	7	206.889	8.964	284.955	180.00	1.000
0	29	9	41.434	18.033	15.021	180.00	0.267
0	29	11	175.263	11.715	239.273	180.00	1.000
0	29	13	163.745	8.618	223.552	180.00	1.000
0	29	15	95.889	15.738	128.450	180.00	1.000
0	29	17	34.807	15.048	46.056	0.00	0.995
0	29	19	128.583	8.589	150.356	180.00	0.871
0	29	21	33.212	21.120	37.997	180.00	0.929
0	30	0	105.750	20.228	113.112	0.00	0.781
0	30	2	50.215	19.305	54.477	0.00	0.800
0	30	4	24.028	11.587	0.851	0.00	0.026
0	30	6	126.368	7.334	174.146	180.00	1.000
0	30	8	158.457	6.409	218.210	180.00	1.000
0	30	10	118.729	13.533	147.710	0.00	0.916
0	30	12	31.365	13.624	3.087	180.00	0.073
0	30	14	131.203	8.106	176.268	180.00	0.988
0	30	16	70.631	17.498	91.899	0.00	0.990
0	30	18	26.932	18.802	21.482	180.00	0.658
0	31	1	54.339	17.708	52.467	180.00	0.715
0	31	3	220.083	6.143	303.983	0.00	1.000
0	31	5	36.381	15.328	5.457	0.00	0.111
0	31	7	35.142	17.180	33.856	0.00	0.719
0	31	9	121.437	17.923	162.145	0.00	1.000
0	31	11	168.061	12.144	227.278	0.00	1.000
0	31	13	31.422	14.407	18.847	0.00	0.451
0	31	15	84.329	21.089	107.641	180.00	0.999
0	31	17	28.984	19.864	29.231	0.00	0.837
0	32	0	46.384	25.747	4.336	180.00	0.070
0	32	2	43.319	16.615	27.793	0.00	0.478
0	32	4	73.513	17.751	97.785	0.00	0.997
0	32	6	33.469	15.238	23.193	180.00	0.518
0	32	8	165.546	7.282	226.803	0.00	1.000
0	32	10	42.364	16.558	6.479	180.00	0.116
0	32	12	52.727	24.095	30.139	180.00	0.458
0	33	1	43.900	23.482	35.528	180.00	0.638
0	33	3	31.458	15.041	7.273	0.00	0.173
0	33	5	31.845	15.240	27.281	180.00	0.646
0	33	7	63.161	15.860	79.198	0.00	0.951
1	0	1	5.152	2.523	0.000	0.00	0.000
1	0	3	6.538	3.417	0.078	0.00	0.009
1	0	5	600.970	6.634	837.942	0.00	1.000
1	0	7	332.264	4.669	462.490	0.00	1.000
1	0	9	31.028	5.369	6.958	180.00	0.161
1	0	11	397.721	8.583	548.223	180.00	0.995
1	0	13	26.134	10.574	2.894	180.00	0.082
1	0	15	370.115	6.028	509.472	180.00	1.000
1	0	17	55.368	6.763	11.243	0.00	0.149
1	0	19	134.375	3.968	153.960	0.00	0.840
1	0	21	55.972	13.056	34.851	0.00	0.460
1	0	23	45.982	10.790	30.791	180.00	0.498
1	0	25	245.086	4.927	328.629	180.00	1.000
1	0	27	198.003	5.930	263.719	0.00	1.000
1	0	29	74.946	13.713	87.100	180.00	0.881
1	0	31	125.615	9.699	164.638	180.00	1.000
1	0	33	119.851	10.158	72.933	180.00	0.468
1	0	35	80.315	22.096	102.458	0.00	0.999
1	0	37	56.912	16.653	44.204	180.00	0.614
1	0	39	25.473	12.566	2.831	180.00	0.089
1	0	41	45.726	14.135	28.415	180.00	0.504

1	0	43	93.295	42.981	23.683	0.00	0.255
1	1	0	11.761	2.899	5.103	0.00	0.312
1	1	2	45.528	13.716	573.931	81.86	0.803
1	1	4	657.703	5.246	794.201	115.75	0.992
1	1	6	452.118	3.990	589.090	4.79	0.974
1	1	8	310.576	4.381	490.151	107.00	0.970
1	1	10	650.403	5.961	922.948	96.05	0.989
1	1	12	389.017	3.644	493.490	180.50	0.963
1	1	14	330.113	3.246	477.627	214.00	0.987
1	1	16	378.790	3.918	499.442	244.91	0.993
1	1	18	287.665	3.370	414.461	250.24	0.980
1	1	20	421.159	4.519	529.327	54.51	0.994
1	1	22	125.557	3.535	152.681	111.42	0.976
1	1	24	191.563	3.323	234.831	271.63	0.966
1	1	26	114.453	4.524	163.340	209.06	0.902
1	1	28	198.787	3.939	227.158	282.29	0.983
1	1	30	176.630	3.975	265.877	157.71	0.952
1	1	32	169.148	4.177	240.307	259.52	0.955
1	1	34	238.386	4.676	368.582	257.93	0.973
1	1	36	123.320	6.754	93.412	265.31	0.956
1	1	38	185.742	5.853	283.864	290.14	0.975
1	1	40	165.085	6.637	279.316	227.47	0.947
1	1	42	69.563	13.475	68.738	319.05	0.827
1	2	1	34.294	10.447	16.459	280.86	0.075
1	2	3	213.956	2.379	335.867	226.17	0.900
1	2	5	576.752	5.088	883.047	103.41	0.980
1	2	7	216.289	2.140	263.988	161.09	0.961
1	2	9	615.332	5.642	848.675	37.59	0.985
1	2	11	498.147	4.922	720.333	349.06	0.976
1	2	13	442.797	5.018	627.623	80.69	0.992
1	2	15	254.345	3.058	294.399	277.66	0.982
1	2	17	193.740	2.975	291.425	116.43	0.951
1	2	19	140.332	3.326	141.446	215.40	0.961
1	2	21	256.042	3.201	389.487	105.18	0.979
1	2	23	125.288	4.271	160.089	320.59	0.919
1	2	25	271.044	3.564	426.547	66.98	0.975
1	2	27	59.992	7.944	14.611	159.50	0.262
1	2	29	262.641	3.617	317.399	151.20	0.986
1	2	31	138.923	5.026	155.271	162.49	0.946
1	2	33	63.448	14.277	20.450	104.42	0.400
1	2	35	172.865	8.732	263.963	248.40	0.960
1	2	37	295.408	6.552	368.973	95.47	0.993
1	2	39	113.619	9.374	133.091	217.12	0.947
1	2	41	91.116	10.783	116.841	32.58	0.900
1	2	43	85.548	17.667	118.268	8.48	0.795
1	3	0	5.647	4.049	0.278	0.00	0.047
1	3	2	280.485	3.437	287.663	206.27	0.976
1	3	4	459.688	4.214	649.061	249.80	0.985
1	3	6	661.389	6.688	891.919	261.03	0.987
1	3	8	614.865	5.598	859.586	357.89	0.984
1	3	10	466.002	4.655	663.842	286.90	0.985
1	3	12	623.169	5.478	889.882	53.23	0.984
1	3	14	462.448	4.493	618.576	46.79	0.994
1	3	16	352.776	4.931	497.977	104.82	0.990
1	3	18	429.548	5.906	649.254	350.07	0.993
1	3	20	149.225	4.180	155.609	189.79	0.968
1	3	22	269.053	4.938	387.040	216.84	0.982
1	3	24	146.841	4.005	169.763	208.33	0.946
1	3	26	365.738	4.244	530.272	280.76	0.992
1	3	28	110.574	5.157	122.084	36.38	0.946
1	3	30	177.691	4.489	264.762	318.20	0.955
1	3	32	56.288	11.722	29.139	311.99	0.449
1	3	34	199.471	4.548	230.224	332.61	0.973
1	3	36	37.041	11.120	2.782	71.30	0.159
1	3	38	112.515	7.429	164.240	94.66	0.928
1	3	40	119.244	6.618	128.316	221.89	0.958
1	3	42	65.498	16.093	59.752	115.89	0.717
1	4	1	368.645	3.286	488.387	100.12	0.970
1	4	3	138.031	1.745	143.521	156.78	0.945
1	4	5	165.776	1.850	220.011	303.68	0.892
1	4	7	452.333	4.677	581.745	12.55	0.973
1	4	9	533.791	5.015	758.910	202.47	0.977
1	4	11	548.121	5.569	774.866	150.16	0.980
1	4	13	857.925	7.806	1213.503	238.65	0.998
1	4	15	278.523	2.848	323.809	102.16	0.988
1	4	17	538.115	5.046	767.946	260.40	0.995
1	4	19	291.786	3.476	470.581	276.97	0.981

1	4	21	314.132	3.207	428.627	232.57	0.989
1	4	23	117.046	3.667	125.972	142.57	0.749
1	4	25	173.129	3.295	254.039	287.39	0.943
1	4	27	369.899	3.747	523.216	187.70	0.992
1	4	29	275.759	3.787	361.862	49.86	0.986
1	4	31	105.783	6.837	124.262	313.44	0.878
1	4	33	158.266	5.027	225.003	348.32	0.938
1	4	35	372.557	4.592	474.496	52.69	0.994
1	4	37	108.840	11.083	112.574	225.91	0.947
1	4	39	61.238	12.176	48.261	121.58	0.750
1	4	41	38.990	11.440	4.965	331.10	0.396
1	5	0	389.213	5.797	244.891	180.00	0.451
1	5	2	61.045	1.764	49.136	248.21	0.688
1	5	4	672.604	6.286	982.711	261.93	0.988
1	5	6	781.436	7.960	1180.268	319.89	0.990
1	5	8	170.982	2.395	218.810	354.87	0.935
1	5	10	193.099	2.292	268.826	184.22	0.959
1	5	12	243.075	2.592	369.208	114.52	0.972
1	5	14	265.972	2.953	369.710	254.58	0.988
1	5	16	189.260	2.543	268.044	252.41	0.986
1	5	18	211.334	2.529	288.141	216.00	0.972
1	5	20	336.484	3.118	439.677	91.52	0.992
1	5	22	263.480	2.793	322.466	131.63	0.988
1	5	24	162.786	3.563	204.335	144.46	0.950
1	5	26	123.497	4.489	125.962	266.55	0.955
1	5	28	405.186	4.076	502.914	69.56	0.994
1	5	30	177.224	3.970	188.270	114.07	0.972
1	5	32	155.793	5.011	192.175	99.26	0.954
1	5	34	369.000	4.659	472.048	105.11	0.994
1	5	36	48.264	12.758	11.400	123.32	0.683
1	5	38	108.771	9.998	121.430	185.95	0.946
1	5	40	79.093	12.870	39.697	329.95	0.317
1	5	42	81.506	20.223	63.423	167.96	0.891
1	6	1	334.943	4.310	459.314	31.16	0.946
1	6	3	370.960	5.527	496.024	220.33	0.965
1	6	5	507.039	5.409	613.594	214.31	0.982
1	6	7	453.690	4.366	751.961	242.72	0.952
1	6	9	652.374	6.489	947.025	306.14	0.986
1	6	11	443.931	4.742	549.158	87.72	0.994
1	6	13	603.599	5.434	878.599	59.41	0.996
1	6	15	282.484	2.832	404.449	43.11	0.984
1	6	17	184.553	2.766	257.968	276.30	0.971
1	6	19	264.390	2.921	357.132	340.24	0.985
1	6	21	273.849	2.760	344.321	84.84	0.990
1	6	23	79.837	4.669	91.989	335.26	0.893
1	6	25	252.078	3.010	347.841	238.10	0.983
1	6	27	452.621	4.429	586.710	271.56	0.995
1	6	29	282.855	3.760	366.293	306.95	0.987
1	6	31	97.532	7.519	96.467	52.96	0.884
1	6	33	75.367	10.469	51.318	265.84	0.740
1	6	35	240.427	5.379	326.398	324.15	0.983
1	6	37	143.393	6.530	239.619	233.24	0.945
1	6	39	69.795	13.501	32.492	148.78	0.289
1	6	41	91.450	10.210	125.066	278.69	0.892
1	7	0	162.352	3.531	225.896	0.00	0.997
1	7	2	479.140	4.321	692.717	158.75	0.976
1	7	4	507.056	6.300	774.008	162.64	0.976
1	7	6	378.316	4.142	570.226	39.73	0.953
1	7	8	85.925	2.672	52.539	165.75	0.657
1	7	10	358.671	3.548	464.973	54.23	0.991
1	7	12	435.029	4.602	578.951	199.96	0.993
1	7	14	25.189	6.780	22.299	320.20	0.232
1	7	16	58.874	4.820	44.708	325.02	0.831
1	7	18	182.657	2.762	251.743	306.86	0.967
1	7	20	120.144	2.716	128.338	267.82	0.969
1	7	22	186.056	3.397	285.163	320.96	0.949
1	7	24	280.568	3.263	351.026	242.72	0.984
1	7	26	199.220	3.091	247.742	150.51	0.979
1	7	28	267.618	3.383	365.796	226.59	0.983
1	7	30	135.203	4.907	202.380	38.60	0.911
1	7	32	258.446	4.135	296.193	232.40	0.984
1	7	34	138.282	7.268	193.574	45.12	0.943
1	7	36	54.645	13.855	34.285	288.14	0.699
1	7	38	69.326	11.250	59.473	288.95	0.850
1	7	40	57.889	13.824	43.369	348.80	0.788
1	7	42	80.642	20.685	78.491	129.79	0.839
1	8	1	411.544	4.165	586.266	24.55	0.965

1	8	3	672.640	6.272	1003.677	138.87	0.988
1	8	5	465.398	4.634	616.731	270.70	0.978
1	8	7	649.602	7.101	904.681	117.74	0.987
1	8	9	652.695	6.564	846.804	275.94	0.997
1	8	11	475.811	4.064	686.290	244.15	0.994
1	8	13	518.579	5.715	673.098	236.04	0.995
1	8	15	376.635	4.537	513.974	92.93	0.992
1	8	17	254.298	2.864	345.035	272.43	0.986
1	8	19	215.831	2.472	299.150	121.79	0.978
1	8	21	365.883	3.432	481.553	83.53	0.992
1	8	23	48.647	8.250	31.542	344.09	0.521
1	8	25	197.542	2.837	330.219	115.92	0.957
1	8	27	423.010	4.180	567.297	91.37	0.994
1	8	29	226.673	3.987	279.555	22.85	0.982
1	8	31	136.175	6.473	191.439	250.39	0.914
1	8	33	328.154	4.414	462.975	241.18	0.991
1	8	35	115.613	7.791	143.294	124.25	0.925
1	8	37	53.046	13.852	23.631	238.88	0.399
1	8	39	142.533	6.206	190.182	83.53	0.964
1	8	41	54.187	14.206	28.157	243.32	0.538
1	9	0	735.200	11.415	34.296	0.00	0.033
1	9	2	345.980	3.247	447.496	258.12	0.971
1	9	4	110.393	2.194	130.436	199.47	0.976
1	9	6	342.955	3.635	447.590	127.35	0.989
1	9	8	364.831	3.324	518.700	168.18	0.989
1	9	10	663.474	5.829	879.762	118.42	0.997
1	9	12	719.950	6.961	1109.191	266.27	0.997
1	9	14	107.915	2.914	137.773	124.07	0.892
1	9	16	250.871	2.756	264.992	311.50	0.988
1	9	18	203.008	2.931	280.650	199.44	0.972
1	9	20	133.067	2.744	177.360	98.21	0.944
1	9	22	316.256	3.318	381.815	84.59	0.989
1	9	24	530.368	4.567	730.013	64.08	0.996
1	9	26	346.037	3.455	478.701	336.15	0.991
1	9	28	244.186	3.452	321.983	263.03	0.983
1	9	30	375.730	3.766	483.246	305.94	0.992
1	9	32	236.115	4.737	337.209	14.19	0.975
1	9	34	203.881	4.718	414.397	65.32	0.885
1	9	36	136.574	5.918	85.501	78.54	0.977
1	9	38	115.290	7.811	191.747	338.90	0.816
1	9	40	87.509	10.519	107.685	312.50	0.903
1	10	1	293.038	4.706	317.388	165.29	0.988
1	10	3	311.232	3.971	411.742	85.45	0.992
1	10	5	339.124	3.167	445.088	104.59	0.990
1	10	7	317.687	3.001	429.380	141.89	0.987
1	10	9	342.379	3.359	446.832	284.17	0.993
1	10	11	497.855	5.198	699.373	94.10	0.994
1	10	13	427.495	4.824	621.118	105.75	0.993
1	10	15	247.616	2.747	323.063	48.19	0.990
1	10	17	133.905	2.797	179.152	176.34	0.925
1	10	19	224.748	2.772	272.864	235.37	0.977
1	10	21	283.579	3.017	338.036	269.07	0.991
1	10	23	224.428	2.987	294.373	2.77	0.981
1	10	25	224.060	3.161	289.817	27.59	0.979
1	10	27	125.908	5.116	142.063	256.41	0.957
1	10	29	115.178	5.825	65.520	9.27	0.951
1	10	31	186.089	4.729	271.645	319.01	0.955
1	10	33	446.101	4.657	574.420	80.09	0.996
1	10	35	118.781	7.172	161.184	90.12	0.947
1	10	37	128.969	6.232	149.466	295.24	0.962
1	10	39	34.707	11.056	11.875	298.95	0.489
1	10	41	77.025	17.794	82.383	178.26	0.704
1	11	0	65.837	5.406	36.756	180.00	0.402
1	11	2	314.645	2.807	442.002	296.46	0.985
1	11	4	334.173	3.121	552.754	114.60	0.984
1	11	6	1257.311	11.298	1760.297	112.75	0.999
1	11	8	191.320	2.301	299.629	131.91	0.938
1	11	10	243.199	3.236	286.268	165.10	0.978
1	11	12	395.645	4.197	560.711	238.27	0.992
1	11	14	444.284	4.453	660.356	298.58	0.994
1	11	16	204.196	2.696	348.603	259.71	0.958
1	11	18	97.454	4.125	93.834	84.43	0.761
1	11	20	273.315	3.008	505.261	38.57	0.865
1	11	22	368.954	3.643	513.031	304.17	0.992
1	11	24	102.130	4.913	83.646	134.39	0.515
1	11	26	325.026	3.291	436.060	234.93	0.990
1	11	28	199.603	3.513	231.603	237.90	0.975

1	11	30	251.779	3.760	320.378	143.43	0.981
1	11	32	64.955	10.465	30.631	310.87	0.843
1	11	34	90.004	9.273	98.392	141.60	0.916
1	11	36	89.611	8.233	93.096	100.12	0.920
1	11	38	50.727	13.161	9.917	326.41	0.769
1	11	40	40.445	13.143	4.810	64.73	0.481
1	12	1	205.404	2.294	255.206	189.43	0.744
1	12	3	228.088	2.286	304.397	298.49	0.993
1	12	5	202.771	2.365	220.178	325.43	0.974
1	12	7	680.549	7.863	990.956	270.85	0.997
1	12	9	523.050	4.662	782.404	222.64	0.995
1	12	11	590.816	6.305	826.376	232.61	0.997
1	12	13	44.593	7.453	19.277	22.80	0.364
1	12	15	490.282	5.184	617.879	247.74	0.996
1	12	17	48.009	7.258	44.888	270.36	0.800
1	12	19	377.937	3.626	504.362	71.89	0.991
1	12	21	289.408	3.228	431.926	299.62	0.989
1	12	23	200.226	3.336	318.447	300.31	0.968
1	12	25	285.196	3.544	378.598	108.70	0.987
1	12	27	95.022	6.970	122.439	291.61	0.852
1	12	29	41.131	10.497	20.558	164.90	0.322
1	12	31	124.361	6.623	170.010	289.28	0.933
1	12	33	143.490	6.196	162.006	312.04	0.966
1	12	35	133.057	6.174	177.005	248.67	0.960
1	12	37	81.481	10.170	96.267	120.35	0.631
1	12	39	48.857	12.641	23.120	4.53	0.426
1	13	0	298.513	3.643	416.355	180.00	1.000
1	13	2	342.287	3.176	489.146	335.70	0.988
1	13	4	286.237	2.896	465.831	128.31	0.976
1	13	6	411.116	3.408	597.549	236.14	0.991
1	13	8	338.314	5.475	451.052	308.31	0.990
1	13	10	219.026	2.606	300.397	293.00	0.975
1	13	12	238.829	3.305	343.550	202.78	0.980
1	13	14	228.896	2.835	362.374	191.55	0.972
1	13	16	498.218	4.384	644.362	84.11	0.995
1	13	18	277.748	3.166	324.741	109.04	0.986
1	13	20	347.572	3.595	519.340	282.57	0.990
1	13	22	444.522	4.250	546.223	278.90	0.995
1	13	24	738.259	6.806	979.403	80.68	0.998
1	13	26	354.347	3.759	440.027	17.62	0.992
1	13	28	217.377	4.357	261.873	317.65	0.976
1	13	30	252.810	3.871	291.439	54.20	0.988
1	13	32	185.239	4.548	209.974	10.89	0.977
1	13	34	41.470	11.835	7.939	170.28	0.682
1	13	36	75.822	9.794	84.137	150.28	0.602
1	13	38	90.822	9.527	89.181	329.47	0.934
1	13	40	59.279	24.302	32.882	128.24	0.502
1	14	1	542.067	4.773	787.371	287.48	0.995
1	14	3	306.125	2.782	442.029	219.15	0.990
1	14	5	255.181	2.517	364.190	117.89	0.987
1	14	7	483.506	4.494	743.646	93.93	0.995
1	14	9	357.229	4.004	495.327	48.32	0.992
1	14	11	440.674	4.137	627.750	74.71	0.994
1	14	13	462.465	4.939	652.158	78.80	0.995
1	14	15	220.193	2.937	326.063	253.75	0.984
1	14	17	213.585	2.962	264.171	275.73	0.981
1	14	19	191.546	3.129	233.411	0.50	0.975
1	14	21	417.386	4.179	579.424	278.78	0.994
1	14	23	143.682	4.447	207.671	346.59	0.934
1	14	25	156.373	4.095	139.574	168.14	0.972
1	14	27	212.980	4.294	275.030	21.57	0.980
1	14	29	234.955	4.849	352.250	106.62	0.974
1	14	31	156.386	6.346	174.366	115.09	0.969
1	14	33	37.390	10.967	17.744	158.29	0.454
1	14	35	78.463	9.549	63.910	324.42	0.906
1	14	37	142.768	6.071	178.105	62.79	0.972
1	14	39	70.190	15.380	90.293	323.43	0.862
1	15	0	120.355	4.410	167.653	0.00	1.000
1	15	2	140.505	2.342	137.821	324.46	0.968
1	15	4	45.064	5.294	36.160	318.84	0.715
1	15	6	280.139	3.062	444.506	270.18	0.981
1	15	8	129.963	2.935	194.615	272.35	0.924
1	15	10	349.296	4.323	485.341	26.56	0.991
1	15	12	136.709	2.925	124.842	161.23	0.958
1	15	14	101.779	4.399	93.528	190.43	0.913
1	15	16	278.468	3.061	356.395	60.12	0.985
1	15	18	260.541	3.131	364.318	88.54	0.984

1	15	20	285.924	3.230	398.615	101.48	0.987
1	15	22	277.217	3.495	311.579	270.98	0.988
1	15	24	218.973	3.503	265.758	51.96	0.980
1	15	26	459.541	4.995	618.279	55.21	0.994
1	15	28	174.739	5.916	195.034	299.01	0.965
1	15	30	202.191	6.203	272.870	170.93	0.978
1	15	32	40.530	11.434	2.772	165.77	0.438
1	15	34	154.695	5.472	201.345	95.45	0.972
1	15	36	65.317	11.811	57.938	69.79	0.567
1	15	38	55.430	14.082	22.929	249.11	0.283
1	16	1	237.705	2.559	308.812	47.03	0.986
1	16	3	220.480	2.434	310.709	217.45	0.981
1	16	5	228.693	2.520	305.797	143.74	0.985
1	16	7	162.710	2.625	232.205	117.73	0.968
1	16	9	267.579	2.623	387.625	215.10	0.987
1	16	11	154.281	3.205	173.780	94.86	0.969
1	16	13	241.503	2.727	290.448	102.32	0.983
1	16	15	395.998	3.549	523.594	352.10	0.993
1	16	17	214.188	2.983	292.029	122.16	0.981
1	16	19	75.053	6.776	59.759	113.07	0.769
1	16	21	194.985	3.498	230.232	122.31	0.981
1	16	23	320.988	3.637	426.540	138.13	0.990
1	16	25	207.493	3.638	258.595	147.60	0.977
1	16	27	313.867	4.608	414.656	13.04	0.989
1	16	29	209.837	5.442	281.173	66.50	0.981
1	16	31	111.956	8.188	158.977	190.46	0.937
1	16	33	111.108	6.887	96.545	73.37	0.962
1	16	35	54.558	11.359	14.247	232.94	0.854
1	16	37	32.822	11.013	2.057	180.55	0.210
1	17	0	176.977	3.385	246.576	0.00	1.000
1	17	2	349.548	3.102	533.691	228.75	0.989
1	17	4	221.706	2.869	310.927	320.08	0.981
1	17	6	348.108	3.100	460.557	241.15	0.990
1	17	8	237.832	2.611	366.347	264.08	0.976
1	17	10	317.373	2.927	464.870	232.24	0.987
1	17	12	328.487	3.651	563.005	80.24	0.982
1	17	14	264.506	2.872	343.091	45.02	0.988
1	17	16	64.767	8.296	38.000	52.32	0.809
1	17	18	162.603	4.366	168.496	269.33	0.970
1	17	20	151.620	4.251	208.755	233.25	0.950
1	17	22	476.459	4.927	562.636	248.90	0.996
1	17	24	415.305	4.430	562.615	240.01	0.993
1	17	26	56.268	12.210	5.468	148.90	0.581
1	17	28	190.865	5.103	197.567	92.87	0.981
1	17	30	131.386	6.876	87.622	102.77	0.976
1	17	32	138.752	8.768	177.121	233.32	0.966
1	17	34	68.097	11.092	53.503	302.73	0.873
1	17	36	43.509	12.754	14.145	303.37	0.594
1	18	1	263.142	2.703	409.724	107.11	0.979
1	18	3	95.544	3.536	97.422	202.80	0.919
1	18	5	155.648	2.701	139.559	290.17	0.973
1	18	7	252.160	2.772	352.278	262.39	0.981
1	18	9	38.942	7.963	6.562	206.94	0.591
1	18	11	320.954	3.023	423.333	272.82	0.989
1	18	13	101.222	5.594	72.220	306.49	0.943
1	18	15	148.412	3.241	164.428	297.59	0.972
1	18	17	533.327	5.234	879.194	260.71	0.996
1	18	19	311.897	3.905	424.378	116.40	0.990
1	18	21	53.545	9.196	29.574	283.57	0.822
1	18	23	344.167	3.999	461.766	290.59	0.990
1	18	25	325.155	4.464	493.135	236.22	0.987
1	18	27	335.686	5.370	434.718	246.97	0.993
1	18	29	133.712	5.876	164.457	90.68	0.966
1	18	31	97.764	7.883	94.900	195.54	0.942
1	18	33	84.674	10.021	80.757	123.36	0.919
1	18	35	99.578	9.370	159.794	134.91	0.873
1	19	0	214.491	3.561	298.722	180.00	1.000
1	19	2	214.561	2.747	301.574	105.21	0.980
1	19	4	389.498	4.340	569.395	113.80	0.991
1	19	6	273.568	2.809	343.611	337.02	0.985
1	19	8	255.523	3.232	328.081	234.02	0.982
1	19	10	448.529	3.775	542.995	48.45	0.996
1	19	12	73.209	5.123	69.408	326.76	0.817
1	19	14	382.899	4.681	498.719	311.65	0.994
1	19	16	75.073	7.760	61.963	171.03	0.851
1	19	18	248.378	3.239	319.555	276.27	0.984
1	19	20	379.945	3.609	523.482	111.79	0.993

1	19	22	99.395	6.380	99.370	84.16	0.573
1	19	24	183.168	5.064	219.237	97.90	0.978
1	19	26	258.743	5.567	339.250	247.75	0.988
1	19	28	162.671	6.119	228.681	290.74	0.974
1	19	30	52.558	13.635	27.114	326.88	0.710
1	19	32	109.506	6.815	180.888	240.69	0.861
1	19	34	157.852	5.589	225.931	59.95	0.975
1	19	36	58.221	25.180	33.905	35.24	0.681
1	20	1	126.778	3.706	220.573	86.83	0.881
1	20	3	345.872	3.242	447.337	308.42	0.993
1	20	5	520.567	4.649	642.841	311.20	0.997
1	20	7	392.193	4.015	548.759	12.43	0.994
1	20	9	195.819	2.953	256.601	345.70	0.980
1	20	11	180.380	3.218	254.957	197.89	0.965
1	20	13	239.077	3.082	330.088	279.86	0.982
1	20	15	257.023	4.301	453.278	120.45	0.973
1	20	17	30.216	9.052	35.873	50.70	0.238
1	20	19	32.877	9.987	55.374	241.74	0.437
1	20	21	207.603	3.650	280.310	91.14	0.975
1	20	23	107.973	8.493	145.943	239.67	0.904
1	20	25	227.771	4.490	246.297	295.79	0.987
1	20	27	64.807	12.934	36.460	124.93	0.311
1	20	29	129.856	6.532	137.700	351.63	0.968
1	20	31	73.859	13.659	78.224	301.14	0.841
1	20	33	111.703	8.235	141.552	281.09	0.954
1	21	0	77.002	6.798	101.411	180.00	0.947
1	21	2	88.727	5.046	123.993	138.09	0.917
1	21	4	337.863	3.702	450.222	102.14	0.993
1	21	6	427.312	3.753	510.780	156.87	0.995
1	21	8	330.272	3.195	429.904	24.85	0.992
1	21	10	249.831	3.152	389.459	342.40	0.976
1	21	12	398.617	3.649	527.844	280.55	0.994
1	21	14	168.082	3.657	192.073	113.92	0.976
1	21	16	189.155	4.661	276.130	121.19	0.970
1	21	18	64.812	10.235	15.818	63.03	0.772
1	21	20	132.414	5.881	136.158	353.16	0.949
1	21	22	355.230	5.003	483.422	232.59	0.994
1	21	24	192.291	6.878	274.566	254.45	0.976
1	21	26	149.902	5.776	172.076	142.57	0.977
1	21	28	153.929	5.266	198.752	77.07	0.976
1	21	30	191.699	4.386	292.276	252.44	0.979
1	21	32	146.730	6.738	237.898	252.57	0.964
1	21	34	67.657	25.598	48.395	100.51	0.832
1	22	1	290.870	3.125	403.294	111.04	0.988
1	22	3	303.232	3.213	419.901	140.94	0.990
1	22	5	288.523	3.565	471.642	106.60	0.985
1	22	7	238.136	3.979	400.227	88.91	0.976
1	22	9	358.550	3.536	427.138	90.65	0.994
1	22	11	289.842	3.241	370.645	205.28	0.989
1	22	13	155.184	3.794	267.980	280.72	0.927
1	22	15	399.436	3.726	517.714	167.05	0.994
1	22	17	64.963	10.908	9.372	356.83	0.265
1	22	19	411.943	4.197	550.083	260.20	0.994
1	22	21	288.807	3.978	364.104	62.54	0.991
1	22	23	107.581	8.381	98.427	52.45	0.943
1	22	25	77.626	11.221	87.377	173.90	0.882
1	22	27	186.582	7.569	226.469	281.91	0.984
1	22	29	109.024	7.806	115.926	45.73	0.953
1	22	31	40.936	11.646	4.886	246.86	0.210
1	22	33	43.714	20.224	9.340	104.61	0.269
1	23	0	275.990	4.492	383.870	0.00	1.000
1	23	2	473.938	4.215	699.260	315.96	0.995
1	23	4	111.084	5.622	170.056	304.73	0.779
1	23	6	257.601	3.516	272.591	89.18	0.988
1	23	8	35.733	9.993	38.009	123.54	0.474
1	23	10	105.505	5.479	87.637	342.96	0.907
1	23	12	290.984	3.370	385.471	190.78	0.987
1	23	14	440.500	4.131	548.044	246.64	0.995
1	23	16	60.009	12.253	11.399	210.55	0.753
1	23	18	196.289	4.878	263.481	262.32	0.979
1	23	20	279.723	3.907	361.674	93.70	0.991
1	23	22	102.039	6.666	94.400	107.71	0.957
1	23	24	46.825	10.676	10.589	98.80	0.734
1	23	26	188.140	4.764	332.296	266.29	0.970
1	23	28	135.368	7.796	141.195	44.87	0.971
1	23	30	80.171	9.662	93.304	99.55	0.899
1	23	32	51.089	22.088	22.804	236.27	0.635

1	24	1	248.089	3.564	358.565	284.77	0.983
1	24	3	330.813	3.355	379.480	316.00	0.992
1	24	5	268.021	3.288	331.645	157.18	0.988
1	24	7	390.467	4.393	573.444	87.12	0.992
1	24	9	204.966	4.414	272.679	164.97	0.974
1	24	11	414.867	3.916	598.957	75.06	0.993
1	24	13	69.437	9.940	21.801	350.72	0.809
1	24	15	98.952	7.156	114.809	47.14	0.919
1	24	17	187.965	5.047	244.202	179.86	0.978
1	24	19	75.549	9.454	54.789	4.06	0.876
1	24	21	129.146	6.283	202.193	80.66	0.953
1	24	23	83.834	11.395	87.566	67.94	0.912
1	24	25	139.297	6.012	184.994	130.11	0.967
1	24	27	47.006	12.105	26.785	2.65	0.648
1	24	29	108.545	14.130	123.299	44.89	0.950
1	25	0	416.694	6.045	578.950	180.00	1.000
1	25	2	371.715	3.712	529.019	317.35	0.992
1	25	4	524.297	4.960	653.036	52.88	0.997
1	25	6	265.553	3.553	386.014	227.32	0.983
1	25	8	463.320	4.840	619.740	312.12	0.995
1	25	10	299.374	4.216	441.315	196.01	0.986
1	25	12	388.936	4.195	511.257	79.77	0.995
1	25	14	144.913	6.719	169.278	110.59	0.967
1	25	16	219.185	4.349	251.763	135.95	0.987
1	25	18	117.359	7.100	111.284	39.59	0.967
1	25	20	136.449	6.868	261.302	290.91	0.930
1	25	22	223.499	4.304	338.321	23.40	0.986
1	25	24	208.171	4.663	275.102	55.27	0.987
1	25	26	78.810	11.132	33.159	119.20	0.275
1	25	28	49.365	13.753	26.602	351.93	0.534
1	26	1	210.067	3.961	296.967	87.53	0.975
1	26	3	194.090	7.074	281.334	320.40	0.968
1	26	5	286.484	3.898	294.611	359.29	0.990
1	26	7	333.664	4.825	514.822	295.87	0.992
1	26	9	265.472	5.129	374.168	66.87	0.989
1	26	11	302.211	4.240	427.673	272.61	0.991
1	26	13	196.551	4.900	233.085	257.34	0.982
1	26	15	54.561	13.078	35.990	108.19	0.457
1	26	17	108.279	7.367	105.744	86.60	0.959
1	26	19	123.184	5.437	140.189	197.25	0.965
1	26	21	85.493	8.933	108.309	86.77	0.902
1	26	23	63.210	14.249	58.012	331.72	0.652
1	26	25	42.109	10.602	17.468	234.96	0.632
1	26	27	67.242	18.269	65.933	283.59	0.896
1	27	0	464.376	6.230	644.466	180.00	1.000
1	27	2	104.606	8.701	88.226	158.20	0.945
1	27	4	226.856	4.347	274.179	77.54	0.988
1	27	6	119.351	7.773	116.769	68.30	0.955
1	27	8	81.025	13.524	79.002	347.07	0.506
1	27	10	215.789	4.318	274.439	104.89	0.985
1	27	12	166.304	4.679	228.985	211.52	0.979
1	27	14	204.227	4.713	283.455	264.91	0.987
1	27	16	184.507	4.670	229.776	268.26	0.985
1	27	18	120.603	6.978	228.034	307.60	0.899
1	27	20	32.764	10.552	15.019	352.04	0.487
1	27	22	55.662	11.195	53.066	107.89	0.712
1	27	24	134.817	8.906	140.635	260.92	0.975
1	27	26	54.767	24.576	24.720	38.96	0.713
1	28	1	272.361	4.037	407.107	255.35	0.989
1	28	3	175.671	5.879	355.781	260.96	0.832
1	28	5	176.403	5.148	184.821	274.05	0.986
1	28	7	63.550	13.666	52.981	252.16	0.849
1	28	9	52.564	14.229	15.212	217.13	0.829
1	28	11	213.067	4.826	386.675	293.72	0.979
1	28	13	61.842	11.536	44.717	212.95	0.859
1	28	15	109.255	7.549	166.633	353.23	0.933
1	28	17	114.064	5.666	157.766	301.67	0.953
1	28	19	29.623	9.608	8.459	130.17	0.305
1	28	21	105.097	7.903	126.091	212.91	0.956
1	28	23	51.091	12.902	47.156	87.55	0.842
1	29	0	118.603	7.794	164.125	180.00	1.000
1	29	2	319.997	4.181	431.557	241.59	0.995
1	29	4	63.471	11.153	49.728	325.60	0.844
1	29	6	105.110	8.777	144.318	322.40	0.942
1	29	8	65.605	10.726	73.099	13.27	0.852
1	29	10	64.840	12.140	73.552	41.60	0.676
1	29	12	85.363	8.799	112.971	146.07	0.903

1	29	14	82.854	9.104	122.145	202.01	0.843
1	29	16	47.565	11.945	22.541	103.17	0.361
1	29	18	96.381	6.513	147.135	346.63	0.924
1	29	20	43.813	12.590	13.819	228.70	0.701
1	29	22	60.187	21.526	34.422	292.26	0.888
1	30	1	99.250	7.234	103.553	209.98	0.951
1	30	3	101.064	7.847	149.317	102.52	0.624
1	30	5	80.338	10.574	61.956	80.18	0.934
1	30	7	108.450	8.855	99.723	87.68	0.962
1	30	9	201.919	5.051	330.581	72.38	0.982
1	30	11	38.182	12.083	4.740	231.68	0.228
1	30	13	92.782	6.791	131.255	168.77	0.933
1	30	15	80.049	9.837	122.275	223.98	0.797
1	30	17	96.082	8.183	79.947	319.68	0.959
1	30	19	57.002	14.613	62.020	159.88	0.832
1	31	0	39.097	16.332	23.106	180.00	0.435
1	31	2	77.441	12.368	81.630	303.83	0.899
1	31	4	235.396	4.492	329.275	340.49	0.990
1	31	6	100.147	7.250	139.351	297.92	0.936
1	31	8	48.108	10.774	31.441	15.60	0.773
1	31	10	140.039	5.974	185.390	11.70	0.976
1	31	12	44.742	12.740	20.723	204.91	0.654
1	31	14	62.783	12.628	63.530	89.60	0.649
1	31	16	72.241	15.474	101.935	263.79	0.886
1	32	1	86.932	8.487	142.597	184.90	0.853
1	32	3	64.093	11.533	43.529	69.65	0.896
1	32	5	39.055	11.007	12.787	129.00	0.782
1	32	7	92.037	7.942	101.888	100.82	0.948
1	32	9	83.008	12.115	99.782	31.07	0.921
1	32	11	102.939	9.726	121.313	303.17	0.952
1	32	13	77.288	25.125	72.705	299.77	0.899
1	33	0	49.257	18.958	8.233	180.00	0.128
1	33	2	103.197	9.237	109.829	23.46	0.961
1	33	4	61.597	10.788	74.795	4.93	0.897
1	33	6	71.433	18.974	94.909	20.61	0.841
1	33	8	39.978	18.906	10.613	246.54	0.370
1	33	10	43.875	19.420	14.470	205.43	0.704
2	0	2	14.468	6.738	0.534	180.00	0.040
2	0	4	122.973	1.700	161.359	0.00	0.943
2	0	6	866.460	15.566	1206.531	0.00	1.000
2	0	8	109.485	2.481	19.629	180.00	0.129
2	0	10	283.669	3.487	372.019	0.00	0.945
2	0	12	44.527	8.570	4.516	180.00	0.080
2	0	14	193.862	3.013	267.175	180.00	1.000
2	0	16	265.737	3.599	365.204	180.00	1.000
2	0	18	407.908	6.256	557.717	0.00	1.000
2	0	20	40.749	10.529	24.810	180.00	0.459
2	0	22	386.701	4.816	523.625	0.00	1.000
2	0	24	518.284	5.888	697.401	0.00	1.000
2	0	26	284.524	4.335	380.427	0.00	1.000
2	0	28	328.795	6.293	436.596	0.00	1.000
2	0	30	39.661	15.975	29.914	0.00	0.587
2	0	32	69.141	17.041	43.241	0.00	0.482
2	0	34	186.921	8.446	232.295	180.00	0.960
2	0	36	150.398	13.786	192.194	0.00	1.000
2	0	38	352.062	8.385	446.700	180.00	1.000
2	0	40	112.407	20.721	137.833	0.00	1.000
2	0	42	150.167	11.073	184.756	0.00	1.000
2	1	1	51.511	15.528	125.363	234.17	0.249
2	1	3	431.448	3.554	573.670	4.93	0.983
2	1	5	876.548	14.523	1186.227	113.31	0.993
2	1	7	178.261	1.792	230.847	201.23	0.949
2	1	9	128.947	1.597	82.631	214.63	0.463
2	1	11	317.023	3.027	436.703	35.76	0.961
2	1	13	322.860	3.404	535.284	72.20	0.982
2	1	15	334.295	3.345	489.116	303.94	0.989
2	1	17	57.875	4.687	28.500	163.36	0.832
2	1	19	357.245	3.175	508.688	280.42	0.990
2	1	21	43.483	6.585	56.799	173.20	0.694
2	1	23	362.886	3.286	523.735	309.13	0.989
2	1	25	330.901	3.365	433.486	91.41	0.988
2	1	27	235.536	3.352	322.039	27.79	0.981
2	1	29	250.344	3.628	324.935	311.63	0.984
2	1	31	234.874	4.107	296.261	273.11	0.981
2	1	33	186.127	5.373	216.407	177.91	0.969
2	1	35	215.139	5.852	274.793	340.23	0.981
2	1	37	54.047	13.741	23.825	343.44	0.756

2	1	39	174.975	7.013	220.390	231.73	0.978
2	1	41	120.689	9.799	157.809	285.61	0.952
2	1	43	55.087	17.913	34.826	247.20	0.841
2	2	0	43.795	28.571	21.760	0.00	0.425
2	2	2	458.876	3.353	551.296	9.58	0.985
2	2	4	1043.019	9.524	1575.153	116.58	0.994
2	2	6	108.502	1.444	55.450	71.70	0.351
2	2	8	602.643	5.830	847.572	167.53	0.985
2	2	10	195.880	1.951	263.391	94.53	0.879
2	2	12	272.207	2.523	342.236	336.80	0.989
2	2	14	266.996	2.605	410.495	314.17	0.979
2	2	16	297.099	2.643	383.488	273.32	0.985
2	2	18	255.691	2.576	371.302	165.92	0.991
2	2	20	351.217	3.094	474.079	147.22	0.991
2	2	22	195.201	2.861	206.243	303.21	0.975
2	2	24	425.472	3.853	568.664	197.00	0.993
2	2	26	370.204	3.475	467.504	198.73	0.993
2	2	28	340.373	3.789	458.096	96.05	0.991
2	2	30	297.906	3.638	419.697	100.06	0.986
2	2	32	197.493	4.719	258.120	164.44	0.970
2	2	34	229.947	6.310	298.636	237.70	0.975
2	2	36	62.497	16.720	31.790	54.05	0.540
2	2	38	51.466	14.162	20.955	276.26	0.692
2	2	40	52.800	16.521	23.103	209.66	0.596
2	2	42	35.451	11.846	1.451	139.77	0.443
2	3	1	138.614	1.755	164.397	324.99	0.830
2	3	3	305.636	2.507	333.318	184.50	0.700
2	3	5	797.161	6.919	1137.484	294.95	0.991
2	3	7	269.305	2.459	364.035	46.80	0.951
2	3	9	682.041	5.883	979.599	127.50	0.988
2	3	11	445.530	3.856	668.060	223.96	0.973
2	3	13	403.320	3.795	516.880	355.78	0.992
2	3	15	57.707	3.950	79.052	30.27	0.812
2	3	17	377.035	3.471	566.146	251.01	0.989
2	3	19	300.885	2.998	404.067	168.25	0.988
2	3	21	212.035	2.712	293.568	60.13	0.978
2	3	23	97.477	4.508	118.607	220.47	0.741
2	3	25	267.015	3.134	381.080	169.82	0.980
2	3	27	257.985	3.219	336.550	187.10	0.986
2	3	29	183.019	4.213	214.021	249.51	0.972
2	3	31	374.589	5.065	541.519	110.49	0.991
2	3	33	249.962	4.174	385.480	252.27	0.975
2	3	35	177.013	5.282	214.843	55.46	0.973
2	3	37	46.014	12.093	13.849	242.95	0.292
2	3	39	118.157	8.112	155.246	248.29	0.945
2	3	41	68.035	13.330	9.032	66.34	0.100
2	3	43	61.589	25.297	28.449	117.01	0.847
2	4	0	220.477	4.320	295.228	180.00	0.961
2	4	2	200.116	2.071	264.844	190.32	0.889
2	4	4	540.392	4.645	676.668	342.37	0.985
2	4	6	442.331	3.790	692.595	345.46	0.983
2	4	8	847.557	7.681	1220.821	346.50	0.992
2	4	10	676.427	5.887	961.392	224.39	0.987
2	4	12	231.383	2.330	293.820	117.73	0.983
2	4	14	121.146	2.278	139.269	123.49	0.963
2	4	16	242.041	2.745	282.060	61.24	0.980
2	4	18	95.972	3.548	100.333	69.70	0.952
2	4	20	319.335	3.621	385.053	174.88	0.990
2	4	22	320.008	3.305	410.972	71.25	0.988
2	4	24	118.287	4.033	124.206	243.90	0.922
2	4	26	259.153	3.266	340.352	173.03	0.986
2	4	28	428.188	4.394	546.113	43.00	0.995
2	4	30	174.016	3.966	207.234	124.93	0.968
2	4	32	222.405	4.413	253.086	328.73	0.978
2	4	34	287.337	4.670	365.260	318.62	0.990
2	4	36	73.645	14.118	73.484	233.68	0.742
2	4	38	62.207	11.808	7.433	280.12	0.084
2	4	40	118.395	6.985	184.334	33.90	0.919
2	4	42	43.367	13.600	7.999	66.69	0.511
2	5	1	379.434	3.252	558.393	101.96	0.967
2	5	3	295.341	2.639	369.691	103.59	0.978
2	5	5	135.476	1.566	172.274	29.48	0.920
2	5	7	313.875	2.840	393.013	358.77	0.975
2	5	9	148.410	1.934	187.015	273.96	0.969
2	5	11	247.950	2.380	366.586	312.17	0.985
2	5	13	526.046	5.583	723.828	288.23	0.995
2	5	15	29.173	7.080	2.797	117.50	0.241

2	5	17	220.249	2.572	318.009	213.59	0.982
2	5	19	260.654	2.884	357.862	160.52	0.986
2	5	21	314.276	3.157	434.785	129.82	0.989
2	5	23	386.703	3.696	538.159	199.75	0.991
2	5	25	334.139	3.408	435.196	191.88	0.991
2	5	27	267.176	3.285	325.231	220.55	0.987
2	5	29	610.185	6.418	804.911	57.68	0.997
2	5	31	229.588	3.735	367.615	15.25	0.969
2	5	33	155.436	6.329	215.822	272.64	0.938
2	5	35	117.114	7.576	178.830	100.13	0.887
2	5	37	53.455	13.177	34.001	78.68	0.510
2	5	39	93.690	9.093	88.598	115.87	0.933
2	5	41	53.705	12.824	37.810	31.40	0.688
2	6	0	153.425	2.809	202.932	180.00	0.951
2	6	2	139.461	1.621	167.221	271.83	0.840
2	6	4	569.040	4.857	805.586	315.76	0.984
2	6	6	144.967	1.701	158.943	187.44	0.772
2	6	8	287.894	2.622	413.850	204.40	0.975
2	6	10	756.575	6.861	1080.360	171.02	0.997
2	6	12	333.853	3.359	491.404	4.11	0.989
2	6	14	224.410	2.599	298.695	324.73	0.972
2	6	16	360.825	3.688	502.716	352.45	0.988
2	6	18	169.796	2.899	255.961	23.94	0.966
2	6	20	110.381	4.088	126.481	184.70	0.724
2	6	22	128.829	3.449	166.766	325.43	0.942
2	6	24	137.826	3.933	122.495	164.65	0.962
2	6	26	246.395	3.243	302.247	211.23	0.986
2	6	28	79.102	8.642	66.105	276.42	0.755
2	6	30	188.155	4.013	249.819	315.62	0.968
2	6	32	252.094	3.737	351.178	234.81	0.979
2	6	34	331.135	4.384	371.761	334.16	0.993
2	6	36	173.917	4.952	220.551	137.32	0.979
2	6	38	104.470	8.900	80.691	230.14	0.953
2	6	40	148.365	5.978	228.535	169.08	0.954
2	6	42	65.390	15.845	48.157	80.01	0.496
2	7	1	515.525	5.216	759.333	28.02	0.976
2	7	3	641.556	5.552	884.328	233.88	0.987
2	7	5	372.527	3.383	543.038	189.95	0.979
2	7	7	55.150	4.786	66.790	73.33	0.886
2	7	9	788.403	7.151	1121.873	224.02	0.998
2	7	11	86.763	2.829	119.190	108.14	0.920
2	7	13	58.874	5.358	62.260	61.96	0.762
2	7	15	230.454	2.712	300.830	133.10	0.975
2	7	17	334.195	3.854	482.513	349.57	0.989
2	7	19	239.635	2.741	358.470	332.23	0.984
2	7	21	161.804	3.468	172.945	21.36	0.948
2	7	23	35.973	8.291	14.626	101.39	0.362
2	7	25	287.801	3.436	399.367	317.45	0.988
2	7	27	180.345	3.601	246.268	203.61	0.964
2	7	29	271.891	3.616	420.485	134.00	0.980
2	7	31	272.038	3.578	362.884	70.30	0.983
2	7	33	141.818	6.401	226.793	134.07	0.931
2	7	35	148.550	5.920	184.536	311.80	0.957
2	7	37	141.117	6.079	134.621	190.59	0.973
2	7	39	96.597	8.770	142.734	348.93	0.785
2	7	41	42.124	12.327	7.928	207.79	0.243
2	8	0	35.583	5.187	9.148	0.00	0.192
2	8	2	613.852	4.901	897.232	215.23	0.985
2	8	4	452.161	5.405	627.090	101.28	0.977
2	8	6	462.141	4.449	645.327	118.52	0.977
2	8	8	125.661	2.245	131.023	152.56	0.967
2	8	10	361.614	3.374	465.887	158.38	0.991
2	8	12	199.837	2.503	259.286	291.70	0.979
2	8	14	409.347	4.552	568.987	58.96	0.992
2	8	16	294.508	3.058	410.510	83.95	0.988
2	8	18	175.008	2.880	207.496	176.70	0.976
2	8	20	196.645	2.691	280.916	357.11	0.942
2	8	22	113.663	3.527	89.196	31.09	0.939
2	8	24	174.595	3.149	253.414	196.14	0.962
2	8	26	316.111	4.019	393.635	100.85	0.991
2	8	28	327.383	3.782	398.982	61.13	0.991
2	8	30	367.363	3.693	576.427	76.68	0.988
2	8	32	122.526	5.863	156.069	152.79	0.682
2	8	34	188.030	7.000	242.478	38.16	0.975
2	8	36	153.459	6.761	216.148	266.22	0.968
2	8	38	42.713	12.445	9.591	267.06	0.511
2	8	40	53.553	14.402	24.403	141.00	0.780

2	8	42	47.483	23.151	12.975	290.33	0.499
2	9	1	1133.262	10.235	1591.973	243.78	0.996
2	9	3	511.513	4.780	716.720	250.70	0.979
2	9	5	624.067	7.166	889.344	53.55	0.996
2	9	7	666.682	7.060	911.701	101.14	0.997
2	9	9	49.042	3.506	37.811	206.29	0.890
2	9	11	247.527	2.550	332.606	69.77	0.984
2	9	13	605.550	5.754	860.745	174.29	0.996
2	9	15	472.152	5.345	677.679	76.18	0.995
2	9	17	318.995	3.136	431.953	52.03	0.989
2	9	19	373.934	3.724	465.038	108.16	0.992
2	9	21	121.096	3.206	125.452	67.23	0.631
2	9	23	174.153	3.255	198.855	351.39	0.978
2	9	25	200.265	3.145	238.351	299.33	0.983
2	9	27	114.714	4.782	116.949	0.74	0.931
2	9	29	45.988	10.184	15.601	88.90	0.362
2	9	31	205.795	4.184	296.022	15.50	0.969
2	9	33	104.718	7.026	124.084	62.17	0.899
2	9	35	109.993	7.463	180.167	347.30	0.882
2	9	37	184.369	5.749	253.232	16.79	0.979
2	9	39	104.301	8.794	131.199	103.50	0.927
2	9	41	53.602	16.068	28.179	110.64	0.444
2	10	0	672.082	7.109	938.514	0.00	1.000
2	10	2	442.909	4.834	637.439	351.49	0.992
2	10	4	641.497	5.695	950.458	91.76	0.996
2	10	6	627.035	7.235	820.345	358.26	0.997
2	10	8	349.659	3.676	468.185	246.60	0.990
2	10	10	190.781	2.413	270.268	288.84	0.981
2	10	12	457.745	4.108	620.052	203.11	0.993
2	10	14	185.702	2.639	313.200	221.48	0.954
2	10	16	62.611	5.173	44.765	77.26	0.469
2	10	18	258.578	2.876	357.409	222.92	0.981
2	10	20	184.965	2.951	163.574	260.04	0.978
2	10	22	247.253	2.871	428.856	258.28	0.966
2	10	24	497.353	4.749	674.940	346.02	0.996
2	10	26	411.098	3.677	539.818	252.39	0.994
2	10	28	96.177	5.369	79.949	1.33	0.921
2	10	30	120.442	5.335	110.621	128.16	0.928
2	10	32	139.491	6.434	237.658	194.54	0.905
2	10	34	167.375	4.561	253.158	79.40	0.958
2	10	36	97.535	8.951	148.742	28.09	0.823
2	10	38	114.508	7.971	117.689	93.86	0.954
2	10	40	98.615	11.232	150.665	11.34	0.847
2	11	1	439.861	3.963	818.973	330.39	0.985
2	11	3	726.372	9.088	1039.366	256.89	0.997
2	11	5	112.149	3.460	123.674	260.84	0.842
2	11	7	375.737	4.002	520.815	341.31	0.992
2	11	9	397.301	4.808	512.797	219.33	0.991
2	11	11	245.790	2.744	343.629	308.72	0.973
2	11	13	400.392	3.726	532.396	144.41	0.994
2	11	15	112.085	2.668	160.804	67.18	0.783
2	11	17	251.536	2.864	374.021	223.49	0.984
2	11	19	294.778	2.926	431.095	204.23	0.986
2	11	21	65.980	5.666	9.337	329.45	0.356
2	11	23	478.767	4.051	703.970	22.85	0.995
2	11	25	124.681	3.817	178.280	277.22	0.917
2	11	27	110.576	5.138	151.492	140.92	0.869
2	11	29	211.866	3.205	321.560	311.97	0.963
2	11	31	245.271	3.686	320.993	244.70	0.979
2	11	33	316.070	4.142	406.128	192.59	0.991
2	11	35	116.966	6.544	65.463	357.90	0.970
2	11	37	71.750	13.119	82.141	280.54	0.754
2	11	39	45.301	12.067	12.940	148.14	0.631
2	11	41	83.134	29.808	63.596	41.23	0.878
2	12	0	310.926	3.761	434.092	0.00	1.000
2	12	2	525.186	5.232	725.714	261.10	0.995
2	12	4	832.991	8.834	1181.548	223.88	0.998
2	12	6	471.438	4.716	669.150	173.34	0.993
2	12	8	344.923	3.821	478.574	284.93	0.989
2	12	10	66.903	4.947	55.955	61.96	0.749
2	12	12	167.418	2.499	227.779	12.50	0.952
2	12	14	147.246	2.692	156.342	285.95	0.973
2	12	16	76.284	4.042	59.823	9.02	0.732
2	12	18	516.786	4.371	836.562	189.14	0.994
2	12	20	116.747	3.196	128.770	216.68	0.930
2	12	22	233.062	2.764	368.224	30.12	0.972
2	12	24	461.613	4.141	620.833	357.68	0.995

2	12	26	162.847	3.950	245.319	123.67	0.948
2	12	28	54.910	10.615	7.154	111.03	0.717
2	12	30	96.561	7.566	79.053	331.79	0.878
2	12	32	68.285	11.137	41.831	195.99	0.825
2	12	34	34.792	10.718	7.392	320.78	0.395
2	12	36	113.275	7.253	80.519	3.14	0.964
2	12	38	57.342	12.102	44.307	212.86	0.519
2	12	40	47.477	15.110	33.915	10.23	0.666
2	13	1	275.137	3.908	358.214	260.40	0.984
2	13	3	49.958	6.487	1.736	158.36	0.487
2	13	5	308.073	3.360	407.002	327.50	0.989
2	13	7	24.444	7.743	14.506	89.91	0.232
2	13	9	500.923	5.431	659.277	283.18	0.996
2	13	11	217.458	3.908	331.677	138.74	0.970
2	13	13	139.921	3.042	179.366	292.20	0.966
2	13	15	186.019	2.467	247.151	253.34	0.958
2	13	17	183.682	2.697	245.505	84.55	0.934
2	13	19	139.059	3.054	169.684	51.42	0.933
2	13	21	372.769	3.462	525.937	63.26	0.992
2	13	23	111.542	5.020	122.772	224.46	0.910
2	13	25	103.652	5.539	124.139	259.93	0.934
2	13	27	155.565	4.576	222.645	94.48	0.941
2	13	29	394.079	4.253	517.793	61.30	0.992
2	13	31	250.424	3.884	326.227	32.14	0.987
2	13	33	87.392	10.527	127.931	77.02	0.779
2	13	35	149.270	5.367	180.408	273.37	0.973
2	13	37	53.391	12.819	27.698	124.53	0.750
2	13	39	75.904	13.733	79.137	271.61	0.865
2	14	0	74.321	5.909	100.715	180.00	0.972
2	14	2	187.350	3.726	251.002	169.09	0.970
2	14	4	164.777	2.718	200.416	248.50	0.977
2	14	6	263.398	3.018	304.253	160.76	0.988
2	14	8	448.822	4.580	661.880	295.32	0.994
2	14	10	318.529	3.178	449.556	311.48	0.990
2	14	12	115.006	4.858	159.075	17.89	0.860
2	14	14	304.197	3.319	434.684	177.30	0.984
2	14	16	165.683	2.641	201.581	41.48	0.972
2	14	18	80.102	5.095	22.706	129.27	0.856
2	14	20	184.111	3.013	220.624	295.03	0.978
2	14	22	360.904	3.586	468.786	240.17	0.993
2	14	24	87.526	6.237	77.077	306.45	0.848
2	14	26	238.029	3.404	263.851	66.92	0.984
2	14	28	208.989	4.263	327.745	118.03	0.965
2	14	30	119.833	6.588	133.041	351.23	0.944
2	14	32	75.933	9.506	64.403	73.64	0.903
2	14	34	68.977	10.422	67.313	37.29	0.684
2	14	36	159.621	5.065	154.206	102.29	0.980
2	14	38	66.818	14.716	53.396	341.27	0.511
2	15	1	174.867	3.725	215.863	3.89	0.980
2	15	3	81.650	3.972	64.391	224.18	0.451
2	15	5	196.233	2.804	234.101	79.63	0.984
2	15	7	238.297	3.176	330.047	110.70	0.971
2	15	9	303.913	3.025	437.711	171.93	0.987
2	15	11	98.618	3.580	66.690	80.82	0.796
2	15	13	356.747	4.182	558.186	255.52	0.985
2	15	15	428.945	4.931	651.754	307.37	0.992
2	15	17	170.217	3.267	251.827	359.20	0.971
2	15	19	488.682	4.341	603.634	289.51	0.996
2	15	21	226.844	3.181	308.126	9.82	0.980
2	15	23	170.829	3.890	192.790	216.51	0.968
2	15	25	202.472	3.534	265.239	325.14	0.975
2	15	27	116.257	5.393	118.375	45.80	0.918
2	15	29	181.795	4.522	257.286	44.81	0.971
2	15	31	92.294	11.288	123.132	232.83	0.730
2	15	33	195.982	4.772	325.193	228.52	0.976
2	15	35	81.725	9.990	85.363	166.23	0.556
2	15	37	54.415	11.773	17.458	26.03	0.852
2	15	39	43.301	20.217	7.939	206.38	0.515
2	16	0	46.389	10.984	55.398	0.00	0.863
2	16	2	127.453	3.977	171.359	176.20	0.939
2	16	4	144.466	2.897	208.368	273.16	0.965
2	16	6	173.270	3.484	208.028	129.04	0.967
2	16	8	196.602	2.722	297.194	154.98	0.973
2	16	10	267.526	2.830	388.660	108.85	0.983
2	16	12	45.282	8.235	20.591	102.03	0.524
2	16	14	71.804	5.233	44.455	135.70	0.469
2	16	16	323.849	3.773	438.129	158.84	0.990

2	16	18	239.465	3.189	325.312	170.70	0.983
2	16	20	575.626	5.520	813.681	64.20	0.997
2	16	22	142.684	4.384	189.126	24.85	0.926
2	16	24	220.395	3.598	311.860	235.20	0.974
2	16	26	243.915	3.653	328.543	60.45	0.980
2	16	28	131.952	6.127	109.137	242.57	0.964
2	16	30	120.178	7.166	156.563	146.21	0.931
2	16	32	68.226	10.946	57.903	302.73	0.856
2	16	34	72.144	9.971	75.886	42.40	0.859
2	16	36	37.935	11.307	6.722	68.81	0.602
2	16	38	58.426	23.175	25.321	321.30	0.858
2	17	1	226.146	3.106	291.590	206.15	0.986
2	17	3	193.055	3.214	234.728	256.45	0.976
2	17	5	71.422	4.993	84.371	112.36	0.896
2	17	7	310.087	3.119	497.293	9.80	0.986
2	17	9	240.032	2.887	325.147	119.31	0.980
2	17	11	370.971	3.475	502.228	196.08	0.992
2	17	13	305.253	3.282	422.048	80.10	0.985
2	17	15	360.066	3.634	557.667	234.36	0.991
2	17	17	289.852	3.236	396.733	186.99	0.988
2	17	19	155.034	4.195	150.522	178.16	0.971
2	17	21	119.814	5.495	125.315	227.91	0.938
2	17	23	447.974	5.105	607.012	215.28	0.994
2	17	25	65.126	10.611	46.085	251.72	0.493
2	17	27	159.947	5.110	217.443	218.27	0.965
2	17	29	254.026	4.151	298.005	292.20	0.988
2	17	31	33.127	10.551	10.997	253.58	0.419
2	17	33	48.533	12.258	7.891	73.83	0.767
2	17	35	64.230	10.589	63.601	83.58	0.812
2	17	37	68.460	26.727	41.809	19.49	0.864
2	18	0	118.677	3.768	165.114	0.00	1.000
2	18	2	283.009	3.111	393.453	43.13	0.985
2	18	4	396.458	4.528	510.501	38.63	0.993
2	18	6	133.814	3.025	200.804	323.71	0.867
2	18	8	277.285	3.138	409.676	15.55	0.983
2	18	10	398.505	3.687	537.424	140.60	0.992
2	18	12	573.651	5.414	739.260	74.35	0.997
2	18	14	143.073	3.583	171.070	64.26	0.949
2	18	16	369.392	3.774	487.990	9.04	0.993
2	18	18	145.062	3.730	175.085	231.25	0.961
2	18	20	382.937	4.091	517.156	53.95	0.993
2	18	22	194.423	4.035	265.295	241.50	0.970
2	18	24	274.906	5.096	301.656	123.62	0.987
2	18	26	48.905	12.848	5.710	30.80	0.588
2	18	28	185.760	5.101	238.233	302.41	0.976
2	18	30	329.351	3.855	382.217	250.03	0.995
2	18	32	80.618	10.010	54.928	261.06	0.925
2	18	34	124.024	5.973	188.335	228.03	0.952
2	18	36	82.396	13.173	111.628	89.57	0.920
2	19	1	365.774	3.356	599.017	86.18	0.986
2	19	3	160.826	3.196	154.731	170.91	0.971
2	19	5	218.128	3.075	303.003	51.59	0.977
2	19	7	94.890	3.709	123.942	147.71	0.819
2	19	9	143.368	3.419	143.511	156.93	0.966
2	19	11	91.351	4.982	120.650	115.52	0.775
2	19	13	382.976	3.613	532.657	38.94	0.994
2	19	15	588.531	5.624	802.438	11.43	0.997
2	19	17	386.455	3.930	558.627	255.83	0.993
2	19	19	70.170	10.142	57.470	237.09	0.557
2	19	21	299.371	4.506	363.187	31.87	0.988
2	19	23	248.649	4.124	423.047	229.97	0.968
2	19	25	104.511	10.108	153.884	197.60	0.728
2	19	27	397.186	5.185	559.578	112.29	0.996
2	19	29	93.398	7.831	92.219	157.90	0.938
2	19	31	115.047	7.478	197.522	295.74	0.799
2	19	33	39.136	11.545	5.920	48.79	0.704
2	19	35	48.526	14.379	10.639	143.66	0.735
2	20	0	118.028	5.005	163.844	180.00	0.999
2	20	2	328.973	3.090	566.524	270.43	0.987
2	20	4	121.073	3.994	108.002	26.04	0.960
2	20	6	682.191	5.450	964.397	296.46	0.998
2	20	8	254.639	3.369	329.701	283.41	0.987
2	20	10	103.253	4.478	129.685	132.34	0.924
2	20	12	201.588	3.453	260.112	314.14	0.979
2	20	14	204.754	3.708	286.921	284.00	0.977
2	20	16	469.135	4.747	629.469	214.62	0.996
2	20	18	368.959	4.027	560.229	295.74	0.991

2	20	20	371.773	4.811	519.473	64.58	0.992
2	20	22	276.665	4.028	361.497	266.14	0.985
2	20	24	191.290	5.459	290.986	203.05	0.974
2	20	26	168.626	6.089	242.395	24.63	0.976
2	20	28	233.355	5.025	299.958	93.77	0.989
2	20	30	82.502	9.557	85.466	129.68	0.913
2	20	32	58.057	12.771	26.239	47.11	0.861
2	20	34	75.736	14.714	81.651	189.40	0.848
2	21	1	186.319	3.279	255.387	107.54	0.974
2	21	3	342.668	3.165	520.186	109.30	0.991
2	21	5	355.444	3.623	462.920	306.47	0.993
2	21	7	637.856	5.857	845.023	353.09	0.998
2	21	9	149.051	3.615	189.281	271.93	0.962
2	21	11	135.280	4.275	149.796	163.29	0.954
2	21	13	373.520	3.918	531.477	76.88	0.993
2	21	15	216.216	3.788	316.600	108.28	0.977
2	21	17	363.863	3.930	405.243	162.91	0.993
2	21	19	291.352	3.658	527.028	73.04	0.977
2	21	21	130.618	4.907	186.597	46.07	0.947
2	21	23	169.100	5.259	180.302	92.89	0.976
2	21	25	132.693	9.937	143.343	243.59	0.970
2	21	27	99.898	8.815	85.765	323.14	0.950
2	21	29	221.746	4.419	387.903	111.32	0.980
2	21	31	72.813	10.764	65.401	288.06	0.903
2	21	33	101.781	10.941	147.350	275.68	0.911
2	22	0	218.525	4.399	197.421	0.00	0.649
2	22	2	219.469	3.100	252.894	198.39	0.985
2	22	4	92.319	4.827	111.827	261.07	0.860
2	22	6	311.403	3.577	461.413	0.78	0.990
2	22	8	117.961	4.376	170.285	42.96	0.910
2	22	10	67.812	8.762	58.895	130.26	0.724
2	22	12	260.851	3.252	453.518	245.44	0.936
2	22	14	276.414	3.341	331.188	231.08	0.988
2	22	16	454.705	4.405	627.273	244.98	0.995
2	22	18	209.212	3.982	378.075	231.87	0.948
2	22	20	256.675	4.886	324.752	349.78	0.989
2	22	22	48.323	13.691	1.536	139.00	0.600
2	22	24	83.252	15.675	75.848	159.06	0.923
2	22	26	186.114	7.754	280.485	125.01	0.979
2	22	28	49.949	12.215	3.162	6.00	0.813
2	22	30	84.545	10.433	120.292	34.84	0.884
2	22	32	76.531	13.225	82.704	292.55	0.878
2	23	1	89.265	6.919	99.615	208.25	0.862
2	23	3	110.776	4.596	110.145	149.59	0.925
2	23	5	388.219	3.666	522.548	2.45	0.994
2	23	7	173.768	4.666	243.397	337.68	0.967
2	23	9	375.941	3.561	530.918	271.59	0.993
2	23	11	367.546	3.567	492.607	262.73	0.992
2	23	13	425.123	3.832	589.049	243.98	0.994
2	23	15	252.594	3.868	397.022	143.89	0.977
2	23	17	185.439	3.769	357.211	140.44	0.953
2	23	19	314.883	6.339	455.936	298.83	0.992
2	23	21	55.989	12.247	12.377	195.70	0.848
2	23	23	75.988	10.492	90.429	308.67	0.621
2	23	25	119.346	9.733	161.626	91.36	0.952
2	23	27	131.258	8.794	223.579	257.77	0.936
2	23	29	93.408	16.052	98.200	110.34	0.934
2	23	31	49.733	14.422	39.449	255.30	0.527
2	24	0	67.323	13.953	73.775	0.00	0.795
2	24	2	536.340	4.377	743.180	259.12	0.997
2	24	4	150.703	4.280	180.553	82.95	0.956
2	24	6	88.766	6.712	109.497	277.65	0.862
2	24	8	90.423	5.372	33.813	4.29	0.920
2	24	10	367.481	3.623	550.737	139.70	0.991
2	24	12	352.985	3.722	486.894	188.55	0.992
2	24	14	346.904	3.906	473.139	97.51	0.991
2	24	16	376.353	4.069	628.246	169.98	0.993
2	24	18	195.134	4.401	271.473	43.62	0.978
2	24	20	244.056	4.714	360.227	133.09	0.989
2	24	22	211.890	4.705	265.542	319.19	0.988
2	24	24	62.181	10.597	68.611	334.53	0.755
2	24	26	85.352	8.883	112.882	19.16	0.891
2	24	28	79.129	14.056	106.080	214.54	0.837
2	24	30	58.740	15.226	63.012	147.88	0.643
2	25	1	134.050	4.865	157.327	34.46	0.945
2	25	3	127.549	6.932	113.412	281.88	0.950
2	25	5	383.530	3.815	545.565	267.88	0.993

2	25	7	164.604	6.521	206.260	68.82	0.961
2	25	9	220.733	5.248	272.434	229.59	0.980
2	25	11	277.473	4.089	368.175	127.11	0.991
2	25	13	144.002	6.779	164.656	317.71	0.966
2	25	15	126.341	6.040	196.565	176.39	0.926
2	25	17	282.760	3.696	343.815	155.50	0.994
2	25	19	202.380	4.395	340.498	173.48	0.981
2	25	21	71.215	11.089	58.818	14.66	0.909
2	25	23	87.182	8.939	79.997	358.61	0.930
2	25	25	110.499	9.453	145.019	340.13	0.953
2	25	27	58.593	14.020	53.551	301.82	0.638
2	25	29	192.422	14.753	273.751	25.46	0.988
2	26	0	411.050	5.505	571.131	180.00	1.000
2	26	2	120.458	6.311	179.348	88.71	0.896
2	26	4	275.256	4.105	434.978	234.41	0.983
2	26	6	393.335	4.176	489.587	31.39	0.996
2	26	8	212.233	4.664	322.605	50.01	0.981
2	26	10	148.876	5.645	235.521	49.16	0.955
2	26	12	176.390	5.514	242.253	216.06	0.587
2	26	14	218.500	5.053	289.780	277.30	0.984
2	26	16	172.656	4.724	252.418	136.75	0.979
2	26	18	79.315	8.993	83.037	30.02	0.910
2	26	20	37.391	10.697	8.326	90.05	0.574
2	26	22	140.439	5.480	174.875	230.53	0.971
2	26	24	51.868	11.727	36.223	263.32	0.678
2	26	26	103.222	14.130	133.297	192.39	0.938
2	26	28	113.537	22.056	114.697	320.64	0.964
2	27	1	272.409	4.281	326.188	122.96	0.991
2	27	3	152.986	8.276	216.832	242.45	0.964
2	27	5	323.731	4.237	398.477	15.15	0.994
2	27	7	263.662	4.854	262.385	169.16	0.992
2	27	9	203.317	7.431	269.906	89.45	0.982
2	27	11	117.499	6.212	160.800	55.99	0.956
2	27	13	137.311	5.417	173.623	117.52	0.971
2	27	15	131.589	5.782	172.244	59.52	0.967
2	27	17	69.759	10.313	71.133	3.75	0.877
2	27	19	115.086	6.359	149.767	295.61	0.955
2	27	21	40.749	11.218	1.014	13.32	0.127
2	27	23	124.206	6.767	168.804	302.45	0.965
2	27	25	51.407	15.672	48.103	85.86	0.768
2	27	27	67.601	24.878	54.738	167.95	0.711
2	28	0	29.738	14.135	15.895	0.00	0.393
2	28	2	203.036	4.481	265.566	87.25	0.982
2	28	4	197.805	4.568	285.935	1.11	0.979
2	28	6	50.375	12.128	30.081	322.82	0.638
2	28	8	46.397	11.063	24.057	183.08	0.507
2	28	10	136.486	6.369	135.092	199.60	0.976
2	28	12	72.231	10.460	42.048	27.02	0.922
2	28	14	106.521	6.032	96.426	315.79	0.961
2	28	16	87.953	8.196	142.679	209.66	0.835
2	28	18	146.195	5.507	225.788	318.42	0.966
2	28	20	63.633	10.757	59.812	188.38	0.869
2	28	22	104.838	10.524	100.621	271.91	0.960
2	28	24	70.427	25.464	57.857	32.68	0.868
2	29	1	217.917	4.849	295.901	31.37	0.989
2	29	3	163.147	5.242	194.862	43.72	0.981
2	29	5	43.915	11.927	16.404	357.54	0.472
2	29	7	116.461	8.988	136.711	179.46	0.962
2	29	9	54.627	13.726	9.381	35.56	0.875
2	29	11	165.003	6.279	215.425	326.22	0.980
2	29	13	158.604	6.521	204.186	293.95	0.978
2	29	15	40.791	10.970	5.219	314.13	0.697
2	29	17	28.259	9.671	16.697	188.25	0.469
2	29	19	70.070	11.154	88.668	0.71	0.742
2	29	21	82.871	14.076	104.739	202.29	0.938
2	29	23	51.458	22.667	19.977	54.73	0.382
2	30	0	35.797	16.125	46.244	0.00	0.951
2	30	2	70.127	14.917	49.381	244.71	0.903
2	30	4	111.440	6.288	202.786	37.96	0.865
2	30	6	128.128	5.961	127.290	22.30	0.974
2	30	8	50.175	11.535	28.159	225.00	0.469
2	30	10	92.208	9.391	105.720	19.55	0.935
2	30	12	43.451	11.623	10.353	115.20	0.629
2	30	14	86.652	8.734	55.399	164.62	0.324
2	30	16	130.630	5.440	123.959	94.47	0.978
2	30	18	77.235	13.768	69.829	7.25	0.918
2	30	20	41.384	18.996	5.986	313.24	0.784

2	31	1	50.422	12.187	28.608	111.17	0.700
2	31	3	79.751	9.523	5.675	157.16	0.954
2	31	5	102.294	8.000	177.806	280.62	0.871
2	31	7	49.157	10.610	23.246	12.12	0.803
2	31	9	44.045	12.764	16.860	241.89	0.364
2	31	11	66.237	12.737	67.529	271.09	0.529
2	31	13	76.421	15.173	96.588	210.60	0.866
2	31	15	51.308	13.503	38.318	65.28	0.879
2	31	17	40.510	18.564	9.943	290.47	0.406
2	32	0	215.118	6.607	296.783	180.00	1.000
2	32	2	144.217	5.706	231.041	53.53	0.971
2	32	4	81.855	10.280	62.973	124.31	0.945
2	32	6	105.588	9.750	149.273	244.72	0.949
2	32	8	75.472	13.301	78.429	95.12	0.902
2	32	10	89.640	8.211	107.234	219.14	0.940
2	32	12	117.007	12.607	168.489	276.93	0.971
2	32	14	49.614	20.504	25.995	148.89	0.731
2	33	1	78.110	12.301	100.503	134.97	0.880
2	33	3	76.775	12.008	108.900	63.72	0.925
2	33	5	36.415	12.282	14.940	104.78	0.671
2	33	7	41.425	12.365	30.803	174.01	0.730
2	33	9	40.147	12.958	7.175	5.45	0.830
2	33	11	53.672	21.031	39.327	11.36	0.685
3	0	1	203.954	2.986	284.136	0.00	0.999
3	0	3	843.769	9.767	1179.302	0.00	1.000
3	0	5	32.821	6.064	12.569	180.00	0.315
3	0	7	91.774	2.223	23.691	180.00	0.188
3	0	9	66.610	3.688	2.015	180.00	0.022
3	0	11	1011.136	11.144	1402.964	0.00	1.000
3	0	13	348.830	4.155	482.263	180.00	1.000
3	0	15	327.792	4.122	451.945	0.00	1.000
3	0	17	138.171	3.320	150.790	0.00	0.798
3	0	19	354.193	4.270	483.664	180.00	1.000
3	0	21	37.732	11.818	11.943	0.00	0.234
3	0	23	272.264	3.893	287.145	180.00	0.781
3	0	25	25.410	11.418	2.617	0.00	0.084
3	0	27	608.879	7.108	812.112	180.00	1.000
3	0	29	112.910	7.400	149.246	0.00	1.000
3	0	31	95.238	11.416	115.176	180.00	0.924
3	0	33	242.477	6.067	315.919	180.00	1.000
3	0	35	57.497	18.586	65.265	0.00	0.887
3	0	37	203.009	8.193	259.155	180.00	1.000
3	0	39	29.229	14.203	35.121	180.00	0.960
3	0	41	33.238	15.299	24.640	0.00	0.605
3	0	43	69.626	30.413	76.114	180.00	0.998
3	1	0	295.731	4.397	402.658	180.00	0.973
3	1	2	918.228	13.634	1225.153	346.54	0.994
3	1	4	977.220	8.937	1491.759	68.16	0.994
3	1	6	517.451	4.191	750.435	184.58	0.977
3	1	8	592.014	4.710	743.778	101.28	0.987
3	1	10	461.723	3.558	607.860	6.59	0.974
3	1	12	718.625	5.790	943.816	353.33	0.989
3	1	14	323.528	3.013	462.812	266.86	0.989
3	1	16	618.457	5.830	883.426	94.68	0.996
3	1	18	252.151	2.467	353.998	234.02	0.981
3	1	20	450.388	4.437	600.437	149.61	0.995
3	1	22	312.908	2.891	420.490	20.80	0.988
3	1	24	311.910	3.009	451.450	85.21	0.985
3	1	26	172.124	3.016	251.059	196.58	0.952
3	1	28	48.574	9.516	22.993	306.86	0.831
3	1	30	124.858	4.805	158.965	16.56	0.919
3	1	32	211.544	3.888	250.638	149.23	0.971
3	1	34	251.340	5.103	302.196	207.91	0.987
3	1	36	165.407	5.705	269.617	232.22	0.948
3	1	38	244.488	5.271	320.159	176.46	0.989
3	1	40	100.039	8.513	103.003	10.57	0.933
3	1	42	99.668	10.966	126.313	217.43	0.923
3	2	1	344.553	3.648	410.076	25.70	0.978
3	2	3	220.287	1.859	276.201	349.32	0.931
3	2	5	44.708	2.673	20.191	312.09	0.490
3	2	7	205.919	2.087	278.315	8.58	0.984
3	2	9	992.993	8.254	1375.111	126.46	0.994
3	2	11	978.057	7.901	1331.257	141.55	0.994
3	2	13	549.307	4.525	751.935	30.92	0.995
3	2	15	190.533	2.351	268.389	203.74	0.958
3	2	17	270.002	2.715	392.107	257.09	0.982
3	2	19	61.630	5.144	40.508	34.00	0.623

3	2	21	151.399	2.876	204.774	355.47	0.952
3	2	23	297.645	3.208	413.620	62.78	0.985
3	2	25	187.199	3.189	247.820	225.11	0.969
3	2	27	40.143	9.191	26.655	14.09	0.539
3	2	29	513.272	5.363	704.662	326.30	0.996
3	2	31	134.782	5.468	168.771	121.64	0.918
3	2	33	222.826	4.759	270.041	222.87	0.977
3	2	35	128.048	6.882	179.110	348.14	0.932
3	2	37	250.301	4.818	337.857	217.01	0.989
3	2	39	65.225	12.875	44.551	230.18	0.839
3	2	41	51.073	14.294	25.227	210.56	0.581
3	2	43	61.945	19.007	58.203	269.83	0.794
3	3	0	995.906	14.911	1391.716	180.00	1.000
3	3	2	512.982	4.271	663.716	271.81	0.985
3	3	4	410.113	3.575	650.712	10.89	0.967
3	3	6	421.295	3.788	607.053	305.79	0.968
3	3	8	363.793	3.176	476.810	160.07	0.964
3	3	10	887.261	7.399	1312.117	99.57	0.992
3	3	12	573.176	4.658	725.858	261.47	0.996
3	3	14	482.259	4.588	712.396	152.09	0.993
3	3	16	324.531	3.246	459.529	317.89	0.988
3	3	18	308.892	2.916	424.871	145.05	0.988
3	3	20	254.526	2.620	383.655	64.08	0.984
3	3	22	161.672	2.838	167.642	62.80	0.975
3	3	24	341.225	3.193	415.323	43.66	0.990
3	3	26	79.895	6.013	83.345	173.38	0.645
3	3	28	155.386	3.600	217.004	160.02	0.949
3	3	30	172.971	4.358	252.152	113.05	0.952
3	3	32	311.326	3.958	429.122	303.78	0.987
3	3	34	71.375	11.124	62.345	113.02	0.558
3	3	36	77.713	10.659	60.840	40.11	0.583
3	3	38	120.736	8.919	164.358	248.95	0.944
3	3	40	112.583	8.189	140.848	55.85	0.939
3	3	42	79.707	14.919	38.584	310.00	0.929
3	4	1	259.580	2.172	356.909	164.75	0.845
3	4	3	174.840	1.936	155.692	181.86	0.928
3	4	5	237.640	2.381	337.718	270.25	0.920
3	4	7	388.652	3.319	606.802	152.80	0.980
3	4	9	480.147	4.499	740.469	88.38	0.973
3	4	11	545.323	4.627	744.481	64.59	0.996
3	4	13	292.536	2.884	355.706	341.20	0.991
3	4	15	694.404	5.714	989.682	352.21	0.997
3	4	17	103.184	2.769	110.170	189.85	0.975
3	4	19	202.915	2.606	247.879	188.91	0.986
3	4	21	216.252	2.507	306.728	78.90	0.975
3	4	23	165.289	2.944	204.721	132.91	0.964
3	4	25	71.905	6.915	74.562	226.30	0.857
3	4	27	446.172	3.932	609.754	325.17	0.995
3	4	29	251.008	3.195	334.242	78.98	0.983
3	4	31	230.286	3.467	365.208	10.45	0.971
3	4	33	49.178	11.991	12.200	46.86	0.275
3	4	35	79.459	11.618	61.456	309.65	0.611
3	4	37	46.170	12.547	15.385	98.10	0.788
3	4	39	76.774	11.079	28.139	282.77	0.926
3	4	41	40.763	12.054	6.663	126.61	0.660
3	4	43	84.257	25.835	81.664	258.75	0.884
3	5	0	356.970	5.354	499.060	0.00	1.000
3	5	2	476.632	4.231	616.146	72.99	0.983
3	5	4	251.877	2.586	316.358	126.11	0.981
3	5	6	959.061	7.916	1291.869	225.55	0.994
3	5	8	339.093	3.185	502.482	306.52	0.959
3	5	10	424.073	3.732	580.122	217.45	0.976
3	5	12	319.085	3.325	449.766	130.76	0.987
3	5	14	394.607	3.828	636.267	25.62	0.989
3	5	16	148.706	3.034	176.104	148.90	0.972
3	5	18	212.488	2.379	282.948	315.24	0.982
3	5	20	396.792	3.406	572.486	194.18	0.992
3	5	22	123.831	3.200	130.723	347.76	0.938
3	5	24	484.228	4.084	663.619	261.10	0.994
3	5	26	316.409	3.211	431.838	232.87	0.990
3	5	28	181.107	3.558	226.357	274.41	0.973
3	5	30	149.956	4.513	176.025	9.55	0.955
3	5	32	220.715	3.869	305.680	7.25	0.973
3	5	34	389.032	4.744	513.072	326.18	0.994
3	5	36	223.480	5.455	286.907	131.69	0.987
3	5	38	100.339	10.319	92.993	354.63	0.942
3	5	40	57.895	12.576	8.125	78.84	0.108

3	5	42	42.480	13.182	9.439	53.29	0.462
3	6	1	220.395	2.368	223.941	101.97	0.981
3	6	3	896.997	8.098	1265.497	241.52	0.993
3	6	5	91.562	1.991	52.670	238.48	0.409
3	6	7	439.885	4.128	618.926	343.41	0.980
3	6	9	170.854	1.895	189.397	37.73	0.854
3	6	11	531.250	4.720	735.074	243.17	0.995
3	6	13	481.062	4.746	663.439	115.62	0.994
3	6	15	193.991	2.319	182.210	262.95	0.981
3	6	17	134.530	2.617	181.068	151.36	0.934
3	6	19	99.307	3.269	133.233	226.57	0.934
3	6	21	53.404	6.853	30.481	192.20	0.826
3	6	23	176.396	3.021	244.702	200.08	0.967
3	6	25	146.910	3.556	192.760	30.73	0.963
3	6	27	218.726	3.134	293.431	138.07	0.979
3	6	29	97.134	5.527	85.517	94.54	0.900
3	6	31	359.239	3.972	484.867	13.00	0.991
3	6	33	192.296	5.039	249.335	218.54	0.964
3	6	35	248.833	4.541	379.526	164.06	0.982
3	6	37	170.904	6.294	214.212	30.76	0.978
3	6	39	49.760	14.799	14.600	218.98	0.372
3	6	41	164.836	6.303	199.270	67.45	0.979
3	7	0	103.105	2.127	118.943	180.00	0.832
3	7	2	119.450	2.520	140.622	142.62	0.827
3	7	4	997.690	9.815	1397.260	275.59	0.994
3	7	6	566.860	4.842	736.994	262.75	0.987
3	7	8	89.965	2.199	113.917	47.11	0.975
3	7	10	683.431	5.743	921.341	135.50	0.997
3	7	12	437.920	3.783	639.307	312.30	0.992
3	7	14	82.192	2.785	95.312	173.66	0.871
3	7	16	186.054	2.382	212.460	316.10	0.983
3	7	18	397.443	3.509	538.980	203.38	0.993
3	7	20	55.188	6.814	33.312	313.88	0.829
3	7	22	197.455	2.703	210.686	167.80	0.971
3	7	24	460.427	4.166	560.712	270.68	0.996
3	7	26	28.455	8.961	39.685	174.58	0.399
3	7	28	312.117	3.639	473.399	28.51	0.986
3	7	30	320.099	3.726	401.378	96.71	0.990
3	7	32	196.667	4.687	247.120	20.45	0.970
3	7	34	262.427	4.491	363.442	220.94	0.986
3	7	36	126.670	7.719	189.731	198.95	0.932
3	7	38	65.827	12.998	65.015	126.50	0.797
3	7	40	53.944	14.556	12.027	238.46	0.839
3	7	42	71.655	20.092	82.464	11.41	0.829
3	8	1	497.806	7.470	613.328	142.06	0.981
3	8	3	418.227	3.342	588.170	354.59	0.964
3	8	5	739.070	5.934	996.934	230.10	0.991
3	8	7	354.979	3.101	542.992	318.16	0.989
3	8	9	396.714	3.596	629.988	296.84	0.990
3	8	11	38.585	5.367	32.057	148.13	0.627
3	8	13	207.810	2.330	314.512	190.92	0.974
3	8	15	591.999	5.516	820.273	286.28	0.997
3	8	17	315.960	2.917	441.241	74.32	0.990
3	8	19	162.543	2.796	183.950	207.87	0.969
3	8	21	91.182	4.041	97.803	210.84	0.732
3	8	23	348.282	3.513	547.052	121.29	0.984
3	8	25	150.059	3.978	170.222	290.91	0.964
3	8	27	84.565	8.427	101.941	216.71	0.824
3	8	29	392.027	4.123	547.213	138.25	0.992
3	8	31	199.277	4.215	268.966	7.12	0.966
3	8	33	80.297	11.596	28.412	44.69	0.906
3	8	35	48.916	14.009	2.932	262.18	0.769
3	8	37	91.739	10.595	130.373	1.47	0.864
3	8	39	69.116	13.811	52.031	356.45	0.851
3	8	41	52.346	16.289	2.361	319.76	0.062
3	9	0	224.567	4.736	313.069	0.00	0.999
3	9	2	690.545	6.092	928.716	70.58	0.989
3	9	4	458.973	4.178	672.286	160.25	0.993
3	9	6	327.962	3.307	510.747	160.30	0.988
3	9	8	355.652	3.203	512.349	116.25	0.987
3	9	10	252.584	2.524	381.181	240.40	0.969
3	9	12	346.047	3.242	509.061	82.39	0.986
3	9	14	292.655	2.866	378.207	117.72	0.988
3	9	16	230.843	2.562	259.969	73.53	0.983
3	9	18	110.514	3.050	160.146	110.80	0.927
3	9	20	179.487	3.446	271.465	58.83	0.960
3	9	22	376.352	3.756	535.941	333.47	0.990

3	9	24	104.162	4.417	87.643	180.42	0.948
3	9	26	543.051	5.089	684.265	96.83	0.997
3	9	28	271.772	3.685	331.025	25.78	0.987
3	9	30	57.312	11.401	25.169	257.53	0.679
3	9	32	277.389	4.854	389.473	82.83	0.988
3	9	34	259.909	4.969	345.935	278.48	0.987
3	9	36	82.437	14.311	85.025	95.48	0.593
3	9	38	51.588	12.379	32.371	82.25	0.483
3	9	40	70.885	13.538	54.775	97.29	0.886
3	9	42	61.546	27.545	27.437	106.03	0.770
3	10	1	718.413	6.100	952.047	18.66	0.997
3	10	3	441.823	4.306	609.276	347.52	0.993
3	10	5	1250.288	11.389	1708.816	285.49	0.999
3	10	7	155.775	2.127	181.905	133.05	0.976
3	10	9	501.001	6.099	676.809	146.73	0.995
3	10	11	33.131	6.330	24.271	321.45	0.537
3	10	13	172.952	2.263	236.291	97.25	0.966
3	10	15	194.038	2.697	272.736	52.43	0.980
3	10	17	234.842	2.770	311.068	120.51	0.981
3	10	19	81.012	5.573	73.748	108.54	0.610
3	10	21	424.908	4.045	581.441	294.20	0.993
3	10	23	298.850	3.325	459.714	318.00	0.985
3	10	25	142.953	3.909	130.497	275.46	0.960
3	10	27	230.268	3.428	330.212	294.41	0.979
3	10	29	333.108	4.003	404.011	129.02	0.990
3	10	31	217.709	5.177	329.234	82.31	0.967
3	10	33	138.640	6.074	134.159	275.31	0.964
3	10	35	100.303	10.651	100.850	211.62	0.940
3	10	37	173.878	5.651	189.042	114.97	0.981
3	10	39	117.573	6.281	173.207	112.36	0.945
3	10	41	62.693	27.899	6.877	51.45	0.882
3	11	0	715.086	8.465	999.047	180.00	1.000
3	11	2	232.725	2.333	306.452	133.39	0.978
3	11	4	512.416	5.677	704.638	285.85	0.995
3	11	6	655.047	5.864	863.119	326.99	0.997
3	11	8	75.629	3.220	88.957	52.58	0.831
3	11	10	202.097	2.687	307.777	301.11	0.961
3	11	12	264.462	2.591	389.229	131.93	0.985
3	11	14	233.684	2.763	297.555	324.65	0.984
3	11	16	282.267	3.445	469.001	278.66	0.979
3	11	18	104.066	4.023	115.534	31.89	0.950
3	11	20	50.970	7.995	42.049	278.85	0.674
3	11	22	347.332	3.597	559.555	50.60	0.989
3	11	24	84.952	6.588	103.243	356.66	0.796
3	11	26	191.986	3.601	227.451	89.90	0.975
3	11	28	172.322	3.896	232.313	303.21	0.957
3	11	30	157.916	4.616	221.653	15.58	0.951
3	11	32	382.555	4.506	495.344	99.91	0.994
3	11	34	165.802	5.251	166.982	13.89	0.981
3	11	36	80.676	10.856	106.054	210.75	0.796
3	11	38	157.307	5.198	265.051	213.34	0.956
3	11	40	48.639	13.302	18.078	303.42	0.694
3	12	1	210.518	2.401	292.809	115.20	0.975
3	12	3	404.916	3.960	578.505	24.99	0.991
3	12	5	120.397	3.027	148.555	100.37	0.944
3	12	7	193.024	2.339	249.754	156.04	0.972
3	12	9	155.734	2.524	232.877	209.05	0.969
3	12	11	157.508	2.628	169.647	289.71	0.976
3	12	13	95.541	2.816	110.850	56.44	0.919
3	12	15	346.607	3.420	500.149	296.07	0.990
3	12	17	212.252	3.254	282.996	188.08	0.971
3	12	19	116.561	4.633	138.124	347.35	0.593
3	12	21	403.870	4.116	574.810	85.66	0.994
3	12	23	185.544	3.537	322.525	67.11	0.956
3	12	25	219.277	3.563	299.532	278.24	0.977
3	12	27	159.083	4.132	216.358	237.95	0.955
3	12	29	202.928	3.979	255.804	341.29	0.968
3	12	31	119.629	6.014	146.652	294.85	0.936
3	12	33	234.266	4.365	292.571	134.23	0.989
3	12	35	268.370	4.136	360.590	336.30	0.991
3	12	37	157.366	5.441	202.126	268.29	0.973
3	12	39	44.638	13.210	17.397	238.70	0.552
3	12	41	54.630	24.989	18.644	218.18	0.720
3	13	0	235.249	3.454	322.734	180.00	0.984
3	13	2	200.424	2.603	330.701	23.72	0.967
3	13	4	810.435	6.962	1137.382	338.47	0.998
3	13	6	88.820	2.867	61.729	104.70	0.492

3	13	8	399.504	3.753	577.556	306.40	0.993
3	13	10	331.760	3.383	491.175	235.00	0.989
3	13	12	96.371	3.318	143.459	324.16	0.938
3	13	14	174.140	2.780	246.191	339.73	0.965
3	13	16	272.554	2.935	423.425	282.08	0.977
3	13	18	80.550	5.482	100.666	286.99	0.811
3	13	20	210.803	3.356	223.974	341.29	0.984
3	13	22	347.440	3.514	411.883	276.72	0.992
3	13	24	394.187	3.921	490.914	251.29	0.994
3	13	26	446.765	4.700	547.104	185.73	0.995
3	13	28	161.098	4.230	193.408	258.38	0.950
3	13	30	54.007	12.782	26.386	162.77	0.587
3	13	32	147.133	5.837	227.939	186.97	0.942
3	13	34	118.473	7.020	104.354	19.02	0.964
3	13	36	120.681	5.735	205.443	85.03	0.827
3	13	38	114.518	7.305	161.208	168.05	0.943
3	13	40	69.102	24.779	35.303	101.89	0.364
3	14	1	426.013	3.446	583.489	162.24	0.994
3	14	3	274.841	3.209	377.212	300.57	0.988
3	14	5	129.247	2.690	141.454	124.50	0.957
3	14	7	114.085	3.064	64.522	146.80	0.944
3	14	9	419.224	4.307	632.433	183.04	0.992
3	14	11	200.692	2.657	300.931	230.90	0.969
3	14	13	115.585	2.943	113.635	186.83	0.902
3	14	15	219.048	2.809	273.524	325.24	0.979
3	14	17	65.503	6.208	8.221	170.68	0.784
3	14	19	130.167	4.664	177.384	202.30	0.932
3	14	21	376.039	3.916	440.953	336.61	0.994
3	14	23	100.695	6.016	139.602	102.41	0.771
3	14	25	143.895	5.053	198.784	29.46	0.940
3	14	27	171.829	4.044	253.049	116.32	0.954
3	14	29	276.541	3.996	407.229	21.25	0.987
3	14	31	335.954	3.751	441.982	90.60	0.992
3	14	33	164.590	4.930	200.617	83.20	0.978
3	14	35	135.449	5.179	187.179	13.01	0.955
3	14	37	45.849	13.237	15.638	173.10	0.628
3	14	39	51.020	15.194	26.383	141.04	0.858
3	15	0	221.140	3.342	308.308	180.00	1.000
3	15	2	141.462	2.519	188.273	287.64	0.961
3	15	4	83.727	4.414	91.685	319.33	0.876
3	15	6	131.648	3.325	203.908	349.65	0.942
3	15	8	349.878	3.346	496.690	126.61	0.991
3	15	10	383.436	4.245	557.234	159.56	0.992
3	15	12	99.340	3.502	127.430	140.90	0.847
3	15	14	87.890	4.857	101.318	54.15	0.767
3	15	16	185.436	2.914	244.876	85.01	0.962
3	15	18	169.246	3.276	204.281	149.89	0.976
3	15	20	310.061	3.691	381.764	91.86	0.991
3	15	22	47.745	10.518	15.018	317.41	0.228
3	15	24	123.608	5.512	146.868	196.28	0.945
3	15	26	63.537	9.861	29.787	162.66	0.597
3	15	28	202.497	4.341	301.367	59.49	0.976
3	15	30	247.145	4.114	327.450	18.70	0.987
3	15	32	168.449	4.838	204.707	139.89	0.980
3	15	34	126.807	6.537	120.196	228.13	0.968
3	15	36	76.253	12.435	94.656	273.74	0.714
3	15	38	44.724	13.242	1.078	109.07	0.036
3	16	1	228.600	2.511	291.397	263.35	0.983
3	16	3	175.638	2.954	201.350	76.26	0.980
3	16	5	210.559	2.643	330.183	105.07	0.968
3	16	7	185.578	2.930	232.399	182.97	0.975
3	16	9	337.159	3.284	513.855	174.02	0.986
3	16	11	157.669	3.943	241.221	82.40	0.930
3	16	13	142.142	2.807	110.163	201.18	0.967
3	16	15	526.123	5.067	744.832	177.30	0.996
3	16	17	150.264	3.869	174.102	82.94	0.961
3	16	19	382.635	3.879	554.293	111.69	0.993
3	16	21	62.854	10.285	33.019	270.74	0.602
3	16	23	193.167	4.139	221.618	102.45	0.976
3	16	25	171.717	4.266	257.391	304.04	0.949
3	16	27	323.824	3.660	430.668	145.30	0.992
3	16	29	180.234	4.562	223.332	335.02	0.975
3	16	31	142.283	5.452	207.431	99.34	0.962
3	16	33	73.000	11.360	55.817	217.73	0.887
3	16	35	28.203	9.155	29.190	332.72	0.454
3	16	37	73.658	12.316	86.566	303.29	0.710
3	17	0	375.032	4.501	523.216	180.00	1.000

3	17	2	232.895	2.497	288.503	264.77	0.982
3	17	4	112.041	3.576	68.329	43.86	0.943
3	17	6	376.753	3.928	537.993	93.81	0.990
3	17	8	72.351	6.022	65.507	108.78	0.739
3	17	10	438.481	4.137	600.926	141.79	0.994
3	17	12	392.339	4.344	546.322	82.17	0.992
3	17	14	202.727	2.991	283.544	185.70	0.980
3	17	16	380.849	4.525	511.581	265.80	0.993
3	17	18	358.224	4.466	576.229	154.41	0.990
3	17	20	115.344	5.084	137.276	251.81	0.932
3	17	22	134.365	4.574	119.041	351.44	0.955
3	17	24	246.026	3.929	341.215	89.80	0.982
3	17	26	111.222	6.264	146.538	125.07	0.923
3	17	28	209.841	4.965	273.879	273.30	0.981
3	17	30	65.871	10.055	54.201	84.86	0.526
3	17	32	92.199	7.700	76.119	118.40	0.944
3	17	34	96.093	7.473	129.733	160.87	0.907
3	17	36	76.060	13.151	89.260	314.66	0.734
3	17	38	92.289	24.193	94.531	226.59	0.913
3	18	1	131.536	2.933	133.730	6.51	0.960
3	18	3	374.172	4.064	516.577	291.43	0.992
3	18	5	200.434	3.479	273.694	323.54	0.973
3	18	7	327.255	3.535	463.076	286.63	0.988
3	18	9	240.306	2.935	376.792	247.46	0.975
3	18	11	403.983	3.986	585.216	75.18	0.994
3	18	13	423.732	4.746	587.195	67.70	0.995
3	18	15	141.327	4.136	223.533	276.13	0.940
3	18	17	398.810	4.677	605.010	100.74	0.993
3	18	19	172.613	3.998	185.458	192.26	0.974
3	18	21	146.913	3.943	131.181	320.75	0.957
3	18	23	75.038	9.455	18.105	258.41	0.209
3	18	25	322.548	3.819	403.585	338.48	0.993
3	18	27	119.555	7.124	174.640	296.53	0.921
3	18	29	159.922	5.971	193.544	154.93	0.978
3	18	31	99.532	8.477	153.125	300.42	0.824
3	18	33	175.107	6.441	218.218	244.89	0.980
3	18	35	129.039	8.812	225.364	56.45	0.920
3	18	37	53.124	22.474	26.731	270.61	0.596
3	19	0	66.536	7.403	37.101	180.00	0.402
3	19	2	213.940	3.273	259.973	281.61	0.978
3	19	4	190.271	3.920	267.725	152.89	0.968
3	19	6	156.881	3.576	213.689	261.40	0.960
3	19	8	216.403	3.523	351.461	281.01	0.975
3	19	10	681.645	6.555	963.392	202.55	0.998
3	19	12	310.557	3.240	424.767	345.55	0.991
3	19	14	88.354	7.882	110.701	267.82	0.695
3	19	16	596.857	5.535	795.870	246.02	0.997
3	19	18	189.895	3.300	294.404	16.47	0.970
3	19	20	61.564	9.992	32.598	2.23	0.570
3	19	22	109.125	7.375	141.222	247.67	0.873
3	19	24	224.075	4.918	270.511	203.42	0.986
3	19	26	207.668	4.742	271.875	105.69	0.981
3	19	28	159.209	5.323	264.764	29.08	0.965
3	19	30	90.383	9.691	107.453	97.76	0.922
3	19	32	92.893	8.016	110.591	314.82	0.922
3	19	34	53.297	16.278	32.807	134.32	0.626
3	19	36	47.979	22.342	13.216	195.68	0.312
3	20	1	138.661	5.246	153.131	270.93	0.960
3	20	3	522.099	6.642	701.056	124.22	0.997
3	20	5	427.465	5.605	599.774	159.09	0.995
3	20	7	227.342	3.298	327.697	87.84	0.982
3	20	9	326.225	3.812	459.089	290.50	0.991
3	20	11	348.449	4.004	458.282	23.02	0.993
3	20	13	222.167	3.353	315.209	154.74	0.980
3	20	15	508.398	5.758	741.926	1.41	0.996
3	20	17	228.791	3.442	335.064	299.87	0.979
3	20	19	114.619	5.782	150.610	266.90	0.911
3	20	21	234.483	3.733	339.858	244.91	0.977
3	20	23	331.100	4.806	471.265	95.39	0.992
3	20	25	273.634	4.091	359.252	195.04	0.990
3	20	27	95.423	8.743	119.617	351.73	0.587
3	20	29	64.587	13.041	63.545	284.75	0.756
3	20	31	116.909	7.150	111.032	277.85	0.961
3	20	33	39.625	11.747	4.076	48.91	0.594
3	21	0	583.914	10.671	813.104	180.00	1.000
3	21	2	361.983	4.548	420.673	167.20	0.994
3	21	4	200.525	4.234	184.101	242.87	0.984

3	21	6	195.619	4.547	241.630	340.53	0.977
3	21	8	89.661	5.668	35.474	351.60	0.937
3	21	10	173.603	3.745	237.952	147.48	0.966
3	21	12	171.803	3.519	238.746	92.32	0.964
3	21	14	46.414	9.214	29.374	218.81	0.634
3	21	16	170.295	5.673	292.852	340.39	0.930
3	21	18	354.099	4.115	687.463	117.55	0.983
3	21	20	106.716	5.787	127.392	129.75	0.896
3	21	22	300.449	4.677	459.924	334.85	0.990
3	21	24	165.436	4.555	265.084	46.77	0.959
3	21	26	234.331	4.025	313.347	328.08	0.989
3	21	28	83.899	10.661	92.504	332.64	0.903
3	21	30	133.390	6.839	146.584	318.58	0.968
3	21	32	77.557	12.800	99.430	266.56	0.832
3	21	34	64.350	24.273	50.612	331.71	0.687
3	22	1	235.433	4.730	322.775	270.80	0.982
3	22	3	189.089	5.147	244.434	260.98	0.974
3	22	5	276.476	5.170	362.954	154.45	0.988
3	22	7	56.018	11.993	23.604	104.52	0.288
3	22	9	507.878	4.677	622.326	317.19	0.997
3	22	11	254.958	3.277	350.070	12.14	0.985
3	22	13	147.592	4.534	275.003	28.10	0.841
3	22	15	503.959	4.773	773.570	273.48	0.995
3	22	17	86.941	9.676	101.958	296.10	0.703
3	22	19	315.017	3.853	419.940	285.77	0.992
3	22	21	198.442	5.266	280.894	199.36	0.978
3	22	23	203.272	5.182	280.413	244.08	0.986
3	22	25	178.748	5.132	299.944	203.98	0.973
3	22	27	137.430	8.781	264.473	32.07	0.908
3	22	29	46.810	12.269	23.636	188.20	0.512
3	22	31	53.848	13.811	26.411	207.06	0.324
3	22	33	51.927	22.259	20.118	257.13	0.777
3	23	0	412.875	7.839	574.855	0.00	1.000
3	23	2	652.764	6.989	922.537	11.44	0.998
3	23	4	221.208	4.117	272.899	24.82	0.982
3	23	6	94.424	6.620	109.661	277.47	0.878
3	23	8	240.447	3.375	313.675	330.56	0.986
3	23	10	218.125	3.523	289.351	31.22	0.978
3	23	12	181.247	3.741	199.248	290.91	0.971
3	23	14	119.009	5.447	170.088	66.41	0.793
3	23	16	183.535	4.324	303.619	249.05	0.955
3	23	18	190.616	4.531	226.915	84.90	0.981
3	23	20	107.516	9.227	134.223	169.57	0.920
3	23	22	139.458	6.974	199.126	325.03	0.965
3	23	24	48.231	12.369	19.355	337.40	0.482
3	23	26	56.260	14.169	37.411	191.66	0.597
3	23	28	108.423	7.031	167.975	190.58	0.936
3	23	30	93.572	13.695	104.943	255.48	0.929
3	23	32	59.816	23.495	31.572	141.72	0.826
3	24	1	375.327	3.634	500.512	349.25	0.994
3	24	3	137.911	10.777	194.175	28.95	0.939
3	24	5	365.820	4.439	412.542	32.48	0.993
3	24	7	65.105	13.773	26.382	193.88	0.365
3	24	9	369.848	4.000	579.663	311.82	0.991
3	24	11	129.745	5.534	152.829	200.11	0.945
3	24	13	346.275	4.579	465.865	184.58	0.991
3	24	15	257.264	3.986	402.673	152.94	0.986
3	24	17	70.781	11.771	30.202	128.05	0.259
3	24	19	73.341	10.568	63.698	4.23	0.912
3	24	21	107.517	6.437	152.830	334.27	0.938
3	24	23	87.584	7.685	62.570	60.95	0.943
3	24	25	136.747	5.410	213.915	2.42	0.957
3	24	27	133.499	8.634	194.159	25.78	0.964
3	24	29	93.266	12.789	137.164	64.51	0.781
3	24	31	66.690	28.272	33.690	126.58	0.782
3	25	0	591.180	7.532	822.367	0.00	1.000
3	25	2	184.439	3.849	240.492	43.35	0.972
3	25	4	354.129	3.930	556.817	165.55	0.989
3	25	6	226.301	4.605	406.939	345.51	0.967
3	25	8	210.183	4.264	259.446	160.51	0.980
3	25	10	296.056	4.107	392.302	232.43	0.988
3	25	12	73.346	15.342	51.729	311.46	0.395
3	25	14	124.198	6.957	220.377	138.20	0.873
3	25	16	138.933	5.924	179.427	16.82	0.960
3	25	18	92.809	8.253	134.015	132.70	0.905
3	25	20	135.750	6.210	206.211	121.39	0.961
3	25	22	63.106	13.189	57.234	264.88	0.592

3	25	24	61.078	13.503	54.772	258.58	0.655
3	25	26	117.209	7.221	199.559	191.29	0.913
3	25	28	100.640	15.149	121.067	276.91	0.962
3	25	30	44.946	21.963	6.360	167.67	0.423
3	26	1	358.876	4.345	490.001	50.46	0.992
3	26	3	271.751	4.223	345.575	25.03	0.986
3	26	5	194.085	4.342	186.388	122.84	0.988
3	26	7	278.841	6.076	325.897	159.89	0.992
3	26	9	402.714	5.109	490.844	238.79	0.996
3	26	11	157.285	5.391	248.303	57.57	0.958
3	26	13	120.909	6.081	170.847	64.96	0.933
3	26	15	99.142	8.324	52.739	186.45	0.962
3	26	17	65.040	11.559	43.949	121.11	0.884
3	26	19	130.899	6.695	202.291	161.54	0.955
3	26	21	69.341	9.034	62.064	64.96	0.883
3	26	23	34.399	11.702	4.115	329.76	0.220
3	26	25	58.746	14.703	56.012	337.83	0.648
3	26	27	39.917	13.505	17.799	331.39	0.411
3	27	0	257.998	6.512	358.562	0.00	1.000
3	27	2	333.573	4.236	521.511	89.67	0.992
3	27	4	207.156	4.930	317.174	120.40	0.980
3	27	6	112.273	9.108	154.624	37.71	0.928
3	27	8	69.469	11.789	57.723	112.33	0.832
3	27	10	127.008	7.381	146.704	292.79	0.969
3	27	12	109.551	7.391	177.262	319.73	0.930
3	27	14	109.231	6.420	138.307	6.38	0.955
3	27	16	155.543	5.941	224.262	152.21	0.974
3	27	18	78.961	10.858	88.452	341.91	0.897
3	27	20	166.592	5.431	288.951	88.76	0.967
3	27	22	42.161	11.554	5.786	346.65	0.785
3	27	24	79.220	17.683	72.654	320.72	0.903
3	27	26	150.481	16.274	219.185	87.79	0.977
3	28	1	202.460	5.610	268.129	194.06	0.983
3	28	3	67.724	12.676	81.705	73.49	0.796
3	28	5	50.352	12.696	33.059	6.20	0.512
3	28	7	44.103	13.042	15.262	341.06	0.537
3	28	9	99.875	10.081	92.213	63.48	0.954
3	28	11	180.871	4.536	269.256	203.21	0.981
3	28	13	98.285	10.123	110.191	247.16	0.942
3	28	15	157.103	4.810	290.104	84.08	0.961
3	28	17	104.563	7.371	93.662	303.64	0.959
3	28	19	177.861	5.257	242.709	75.71	0.985
3	28	21	65.362	14.014	71.190	81.51	0.774
3	28	23	60.833	14.574	75.794	132.28	0.804
3	28	25	54.797	21.684	33.882	117.67	0.775
3	29	0	241.832	6.587	335.412	180.00	1.000
3	29	2	260.582	6.202	389.172	43.41	0.991
3	29	4	141.472	5.585	198.633	279.49	0.971
3	29	6	44.875	11.286	8.505	323.21	0.809
3	29	8	100.653	6.300	92.684	224.22	0.956
3	29	10	254.345	4.856	441.422	132.71	0.988
3	29	12	53.683	9.835	44.759	65.86	0.783
3	29	14	145.715	6.104	232.049	292.48	0.966
3	29	16	44.356	10.746	17.966	333.88	0.435
3	29	18	71.678	10.990	1.543	70.16	0.946
3	29	20	38.907	12.751	9.146	47.27	0.337
3	29	22	49.262	15.366	42.794	164.33	0.674
3	30	1	52.825	11.743	31.821	357.22	0.423
3	30	3	135.493	5.698	173.988	31.50	0.971
3	30	5	143.585	5.440	230.856	8.05	0.966
3	30	7	112.062	8.693	98.954	267.38	0.965
3	30	9	48.359	13.243	29.592	260.39	0.875
3	30	11	123.558	7.277	187.670	62.19	0.955
3	30	13	67.304	11.112	63.425	261.05	0.897
3	30	15	128.656	6.101	209.538	228.66	0.960
3	30	17	47.244	12.693	25.046	81.52	0.580
3	30	19	59.408	12.812	48.408	250.05	0.914
3	30	21	58.927	25.792	9.130	48.46	0.848
3	31	0	32.704	14.836	29.690	0.00	0.668
3	31	2	141.403	7.008	208.909	296.28	0.968
3	31	4	123.844	6.954	132.411	122.12	0.970
3	31	6	86.929	9.291	105.310	260.87	0.918
3	31	8	36.342	10.771	9.534	167.32	0.377
3	31	10	181.815	4.736	263.698	123.11	0.985
3	31	12	118.858	9.035	140.918	301.17	0.967
3	31	14	74.005	13.715	57.934	259.65	0.913
3	31	16	66.547	14.216	31.843	224.50	0.263

3	31	18	41.672	18.778	2.756	204.59	0.738
3	32	1	82.401	12.163	93.575	231.02	0.924
3	32	3	61.711	12.135	68.423	311.99	0.776
3	32	5	34.258	10.483	8.642	101.19	0.515
3	32	7	70.018	9.476	44.118	267.13	0.924
3	32	9	100.429	8.482	143.419	132.53	0.940
3	32	11	103.640	9.189	149.351	67.79	0.965
3	32	13	74.962	17.931	86.562	262.68	0.911
3	32	15	50.024	22.562	10.307	303.22	0.280
3	33	0	24.216	17.069	12.752	180.00	0.423
3	33	2	63.917	14.778	63.665	154.73	0.915
3	33	4	75.551	12.250	98.431	176.63	0.931
3	33	6	98.791	15.971	140.085	144.09	0.950
3	33	8	66.937	17.765	67.657	0.41	0.903
3	33	10	104.233	11.643	145.669	74.64	0.964
3	33	12	52.617	22.346	24.785	77.14	0.714
3	34	1	48.525	20.961	16.461	211.10	0.748
3	34	3	52.057	13.639	42.223	130.09	0.523
3	34	5	53.870	19.223	36.055	93.07	0.539
4	0	0	458.906	9.618	642.718	180.00	1.000
4	0	2	803.740	18.704	1123.837	0.00	1.000
4	0	4	631.373	10.793	883.196	180.00	1.000
4	0	6	52.907	3.988	10.030	180.00	0.137
4	0	8	311.897	4.362	420.185	0.00	0.966
4	0	10	188.423	2.823	144.172	0.00	0.550
4	0	12	206.019	2.985	248.672	0.00	0.870
4	0	14	290.947	3.882	402.425	180.00	1.000
4	0	16	493.602	5.927	680.001	180.00	1.000
4	0	18	200.095	3.619	274.348	180.00	1.000
4	0	20	122.266	4.594	166.766	180.00	1.000
4	0	22	56.504	10.324	72.647	180.00	0.949
4	0	24	364.119	4.638	491.277	180.00	1.000
4	0	26	184.107	4.361	246.794	180.00	1.000
4	0	28	190.371	4.983	253.427	180.00	1.000
4	0	30	28.795	12.936	31.935	0.00	0.847
4	0	32	83.529	15.052	108.842	180.00	0.998
4	0	34	159.150	10.304	206.444	180.00	1.000
4	0	36	142.612	9.058	182.702	0.00	0.997
4	0	38	56.016	18.114	66.708	180.00	0.948
4	0	40	58.917	17.946	62.764	0.00	0.863
4	0	42	37.335	16.883	25.696	180.00	0.570
4	1	1	422.785	4.087	543.101	294.33	0.980
4	1	3	506.872	4.270	821.360	220.76	0.977
4	1	5	267.016	2.436	343.157	269.65	0.982
4	1	7	612.815	5.407	788.850	147.75	0.988
4	1	9	857.371	7.230	1221.874	93.01	0.993
4	1	11	719.211	5.998	999.413	151.41	0.989
4	1	13	792.202	6.318	1135.488	191.11	0.998
4	1	15	439.812	3.723	553.321	181.26	0.994
4	1	17	450.803	4.026	615.526	278.39	0.994
4	1	19	237.773	2.504	262.625	238.68	0.983
4	1	21	194.939	2.650	254.073	330.12	0.977
4	1	23	293.646	2.838	415.471	223.50	0.985
4	1	25	181.437	2.952	312.310	254.13	0.933
4	1	27	100.634	4.623	125.539	235.29	0.938
4	1	29	147.033	4.130	182.528	37.82	0.958
4	1	31	109.141	5.945	124.919	326.44	0.897
4	1	33	299.682	3.940	425.657	151.38	0.984
4	1	35	313.804	5.173	411.212	257.05	0.991
4	1	37	112.086	9.596	189.344	261.06	0.841
4	1	39	142.814	6.416	234.501	298.04	0.940
4	1	41	58.171	12.729	44.740	126.76	0.558
4	1	43	41.398	13.988	2.435	201.50	0.803
4	2	0	610.146	6.463	854.603	0.00	1.000
4	2	2	351.399	2.990	480.508	186.84	0.967
4	2	4	281.937	2.638	264.960	319.61	0.967
4	2	6	394.476	3.654	621.245	276.32	0.940
4	2	8	593.028	4.853	862.627	296.16	0.983
4	2	10	398.913	3.646	550.509	169.11	0.961
4	2	12	785.278	6.529	1040.761	303.77	0.998
4	2	14	214.276	2.294	286.394	236.57	0.976
4	2	16	280.418	2.623	375.911	354.29	0.982
4	2	18	49.089	5.003	18.502	38.58	0.321
4	2	20	160.910	2.740	206.826	77.36	0.960
4	2	22	261.994	2.962	342.949	89.27	0.981
4	2	24	592.485	5.292	811.271	340.41	0.996
4	2	26	175.580	3.440	199.411	57.11	0.974

4	2	28	135.121	4.389	153.473	329.36	0.950
4	2	30	345.127	3.538	519.866	300.05	0.989
4	2	32	371.408	3.791	472.274	332.01	0.992
4	2	34	253.228	4.312	387.748	4.88	0.983
4	2	36	75.016	10.633	62.475	95.26	0.481
4	2	38	131.433	6.335	217.081	139.89	0.932
4	2	40	98.508	9.011	139.558	334.31	0.892
4	2	42	82.575	16.911	83.424	289.89	0.884
4	3	1	394.809	3.405	600.279	104.03	0.975
4	3	3	65.214	1.356	39.649	47.94	0.446
4	3	5	225.047	2.397	317.634	77.18	0.979
4	3	7	453.309	3.909	567.477	341.87	0.980
4	3	9	1029.566	10.765	1430.222	305.80	0.995
4	3	11	510.624	4.477	709.116	58.54	0.995
4	3	13	91.446	2.818	88.276	255.21	0.951
4	3	15	506.191	4.659	703.790	358.42	0.994
4	3	17	231.077	2.495	301.154	96.71	0.987
4	3	19	157.206	2.751	206.846	333.39	0.956
4	3	21	84.936	4.001	81.464	341.62	0.852
4	3	23	313.004	3.050	453.799	347.74	0.983
4	3	25	204.948	2.774	249.982	263.34	0.977
4	3	27	418.992	3.615	556.482	62.14	0.995
4	3	29	107.760	5.575	121.507	41.64	0.934
4	3	31	144.441	4.496	183.910	101.73	0.939
4	3	33	146.774	6.305	103.370	7.09	0.969
4	3	35	91.622	14.138	87.433	295.94	0.892
4	3	37	194.318	5.086	230.835	285.96	0.984
4	3	39	51.093	13.536	23.313	62.91	0.704
4	3	41	39.577	11.592	2.112	149.11	0.028
4	3	43	52.501	17.827	35.846	356.62	0.578
4	4	0	335.447	4.505	5.610	0.00	0.012
4	4	2	529.806	4.711	791.348	148.37	0.976
4	4	4	571.229	4.620	758.357	86.98	0.985
4	4	6	269.126	2.498	320.311	98.18	0.896
4	4	8	914.468	7.464	1320.887	104.43	0.993
4	4	10	1409.606	14.217	1968.095	71.49	0.999
4	4	12	235.127	2.403	337.735	312.23	0.975
4	4	14	290.485	2.943	395.633	275.76	0.985
4	4	16	188.250	2.343	287.270	215.36	0.922
4	4	18	117.081	3.166	148.295	262.93	0.937
4	4	20	281.193	2.805	394.132	301.57	0.984
4	4	22	106.771	3.991	39.415	339.58	0.228
4	4	24	274.285	2.872	424.581	51.07	0.976
4	4	26	88.631	5.177	61.743	108.08	0.917
4	4	28	380.331	3.614	536.809	177.76	0.992
4	4	30	268.805	3.352	372.296	46.03	0.984
4	4	32	254.317	3.550	284.533	195.09	0.984
4	4	34	50.557	12.695	11.234	212.51	0.561
4	4	36	48.169	11.086	28.309	225.93	0.482
4	4	38	88.930	8.377	61.141	182.29	0.936
4	4	40	41.768	12.307	2.357	112.75	0.550
4	4	42	56.141	14.582	35.398	3.95	0.627
4	5	1	615.016	5.322	941.169	301.86	0.984
4	5	3	448.632	4.041	600.814	280.36	0.986
4	5	5	244.216	2.287	261.749	322.46	0.884
4	5	7	698.756	5.718	962.606	293.38	0.989
4	5	9	588.366	4.894	794.979	80.02	0.988
4	5	11	588.951	4.883	875.992	78.89	0.996
4	5	13	565.533	5.328	811.247	102.32	0.995
4	5	15	378.106	3.556	521.556	296.14	0.992
4	5	17	345.492	3.259	493.851	249.71	0.991
4	5	19	78.997	4.255	79.528	239.86	0.667
4	5	21	221.323	2.817	338.014	158.65	0.970
4	5	23	302.836	3.057	396.522	38.50	0.987
4	5	25	143.430	3.217	184.523	98.54	0.950
4	5	27	285.986	3.193	472.433	212.62	0.976
4	5	29	290.473	3.215	387.843	257.12	0.988
4	5	31	133.109	4.577	162.385	253.63	0.927
4	5	33	345.314	3.857	417.860	50.44	0.991
4	5	35	119.875	7.683	128.435	260.99	0.942
4	5	37	58.570	12.489	43.761	288.79	0.732
4	5	39	132.673	5.552	177.248	237.80	0.958
4	5	41	88.098	11.238	117.802	106.86	0.865
4	5	43	96.849	25.529	98.547	126.91	0.919
4	6	0	350.737	4.744	478.060	180.00	0.973
4	6	2	382.219	3.818	523.125	19.87	0.965
4	6	4	199.585	2.041	285.937	121.08	0.975

4	6	6	323.881	3.040	440.343	310.26	0.957
4	6	8	382.115	3.798	554.515	213.24	0.962
4	6	10	254.490	2.501	353.163	234.74	0.986
4	6	12	727.073	6.574	1051.938	160.28	0.997
4	6	14	360.044	3.136	550.656	279.30	0.989
4	6	16	477.360	4.529	682.367	158.74	0.995
4	6	18	156.046	2.617	245.048	341.38	0.792
4	6	20	148.104	2.836	179.083	95.95	0.972
4	6	22	383.698	3.716	567.389	150.25	0.990
4	6	24	320.830	3.168	469.147	295.61	0.989
4	6	26	206.762	2.987	284.666	276.12	0.978
4	6	28	75.898	7.636	57.846	197.00	0.899
4	6	30	92.378	6.549	82.755	248.63	0.645
4	6	32	395.703	3.919	546.647	55.45	0.992
4	6	34	44.943	12.277	6.021	155.54	0.261
4	6	36	194.440	4.899	257.398	349.39	0.982
4	6	38	97.611	9.286	97.921	179.25	0.937
4	6	40	50.103	11.811	25.671	347.92	0.553
4	6	42	51.576	15.363	35.403	298.25	0.490
4	7	1	200.734	2.312	219.140	193.12	0.914
4	7	3	581.358	5.127	766.595	119.53	0.986
4	7	5	742.353	6.023	1069.989	162.20	0.989
4	7	7	758.953	6.301	965.927	344.98	0.998
4	7	9	407.522	3.435	554.239	320.31	0.992
4	7	11	262.173	2.515	343.077	339.68	0.984
4	7	13	182.990	2.495	249.903	225.28	0.947
4	7	15	324.906	3.032	442.619	332.44	0.991
4	7	17	280.945	2.721	388.972	85.89	0.987
4	7	19	303.159	2.953	403.032	154.68	0.988
4	7	21	269.339	2.770	361.526	273.23	0.987
4	7	23	192.670	2.801	204.656	89.89	0.971
4	7	25	169.497	3.038	229.924	218.89	0.966
4	7	27	184.716	3.380	227.825	5.29	0.972
4	7	29	364.954	3.880	517.253	147.80	0.991
4	7	31	289.473	3.653	375.691	281.91	0.986
4	7	33	59.487	12.877	26.241	211.75	0.645
4	7	35	195.227	5.025	265.087	116.68	0.982
4	7	37	145.557	4.934	153.371	292.12	0.974
4	7	39	95.539	8.691	122.542	356.05	0.907
4	7	41	65.439	12.498	58.727	47.88	0.837
4	8	0	522.078	5.926	731.013	0.00	1.000
4	8	2	560.574	4.581	821.450	261.58	0.986
4	8	4	634.841	5.360	891.749	347.09	0.986
4	8	6	907.920	8.296	1191.759	266.29	0.998
4	8	8	277.276	2.775	334.989	289.88	0.989
4	8	10	499.485	4.931	728.833	296.26	0.994
4	8	12	306.149	3.216	441.962	341.70	0.984
4	8	14	191.809	2.433	281.133	254.48	0.985
4	8	16	131.164	2.768	197.352	257.28	0.974
4	8	18	354.571	3.564	525.648	151.03	0.990
4	8	20	127.624	2.926	198.644	217.18	0.940
4	8	22	201.373	2.840	230.508	46.76	0.974
4	8	24	264.311	2.968	356.038	41.52	0.985
4	8	26	221.485	3.326	284.278	18.59	0.979
4	8	28	286.015	3.275	428.970	115.20	0.986
4	8	30	258.757	3.355	407.956	244.11	0.976
4	8	32	118.809	6.025	162.025	191.95	0.876
4	8	34	85.062	11.483	50.198	187.89	0.899
4	8	36	152.035	5.601	219.723	125.95	0.966
4	8	38	58.726	11.152	15.910	106.26	0.197
4	8	40	68.928	11.115	76.604	59.79	0.840
4	8	42	51.046	22.977	8.772	35.39	0.787
4	9	1	906.938	8.218	1233.006	49.84	0.998
4	9	3	251.312	2.233	360.167	264.81	0.986
4	9	5	652.268	5.290	862.902	172.22	0.997
4	9	7	355.475	3.963	431.975	166.34	0.991
4	9	9	317.867	3.440	413.555	170.21	0.988
4	9	11	474.627	3.877	603.492	223.38	0.994
4	9	13	304.897	3.422	401.476	53.61	0.988
4	9	15	238.476	2.552	276.343	226.47	0.987
4	9	17	278.688	2.835	351.092	37.13	0.988
4	9	19	341.502	3.189	493.583	256.02	0.988
4	9	21	54.488	6.798	35.115	176.28	0.608
4	9	23	327.791	3.488	444.682	38.81	0.991
4	9	25	178.314	3.365	257.331	209.25	0.963
4	9	27	300.289	3.297	380.101	226.29	0.989
4	9	29	288.273	3.388	402.428	114.21	0.984

4	9	31	233.878	3.848	277.169	213.62	0.980
4	9	33	159.939	5.629	253.008	39.10	0.949
4	9	35	367.606	4.487	508.668	141.13	0.995
4	9	37	54.680	11.890	33.226	180.34	0.645
4	9	39	132.253	7.186	176.198	214.98	0.963
4	9	41	46.980	14.595	23.489	346.17	0.804
4	10	0	483.059	5.420	676.205	180.00	1.000
4	10	2	527.749	5.133	804.640	256.41	0.995
4	10	4	656.682	5.484	928.375	214.67	0.997
4	10	6	352.189	3.574	477.023	264.04	0.989
4	10	8	189.367	2.545	234.284	168.80	0.979
4	10	10	364.530	3.184	486.095	82.97	0.993
4	10	12	316.172	3.145	424.659	255.22	0.989
4	10	14	175.933	2.550	288.658	250.73	0.981
4	10	16	162.017	2.266	243.077	219.90	0.961
4	10	18	228.967	2.532	218.794	330.97	0.982
4	10	20	399.293	3.618	579.195	83.62	0.992
4	10	22	165.955	2.850	238.886	357.01	0.941
4	10	24	507.135	4.367	722.096	169.39	0.996
4	10	26	133.734	4.058	178.953	182.45	0.922
4	10	28	338.541	3.456	524.713	283.65	0.989
4	10	30	207.417	4.005	272.424	264.19	0.972
4	10	32	125.463	7.502	179.358	260.27	0.930
4	10	34	113.696	7.872	84.592	69.32	0.968
4	10	36	55.189	12.338	22.603	15.79	0.315
4	10	38	207.100	4.703	288.769	229.62	0.983
4	10	40	46.955	14.584	21.589	224.01	0.592
4	11	1	389.084	3.549	594.121	121.30	0.989
4	11	3	450.037	6.246	612.904	24.24	0.993
4	11	5	181.376	2.272	234.602	267.05	0.966
4	11	7	360.638	3.408	560.150	197.01	0.988
4	11	9	302.436	3.177	436.496	194.84	0.984
4	11	11	187.571	2.323	237.489	198.07	0.977
4	11	13	141.974	2.472	156.262	9.48	0.965
4	11	15	263.052	2.586	380.128	154.41	0.982
4	11	17	355.095	3.332	463.148	329.41	0.990
4	11	19	246.913	2.759	365.235	124.71	0.977
4	11	21	160.047	2.933	164.605	323.81	0.970
4	11	23	134.396	4.395	181.290	103.98	0.940
4	11	25	342.344	3.351	478.482	15.14	0.991
4	11	27	271.389	3.209	299.268	321.39	0.988
4	11	29	213.453	3.949	330.208	100.12	0.966
4	11	31	424.955	4.231	531.967	20.41	0.996
4	11	33	336.545	3.986	438.714	343.53	0.993
4	11	35	52.072	13.015	13.534	157.84	0.798
4	11	37	106.545	10.768	101.967	125.77	0.949
4	11	39	51.271	13.453	19.927	240.53	0.348
4	11	41	75.493	29.669	32.251	156.26	0.885
4	12	0	12.202	5.954	2.620	0.00	0.154
4	12	2	300.244	3.554	383.877	27.61	0.988
4	12	4	329.079	2.969	462.457	56.62	0.991
4	12	6	152.097	2.595	163.130	269.04	0.948
4	12	8	234.936	2.434	312.075	46.92	0.988
4	12	10	201.906	2.775	281.085	79.99	0.988
4	12	12	334.026	3.068	484.457	71.93	0.989
4	12	14	207.638	2.642	219.104	55.56	0.621
4	12	16	306.209	2.891	446.999	149.09	0.985
4	12	18	152.547	2.733	223.395	341.64	0.928
4	12	20	332.079	3.195	464.518	209.98	0.991
4	12	22	501.213	4.456	596.193	312.15	0.997
4	12	24	236.397	3.243	236.963	312.07	0.985
4	12	26	152.912	3.898	193.563	86.43	0.964
4	12	28	454.612	4.410	624.156	89.57	0.994
4	12	30	38.663	11.326	12.782	288.45	0.432
4	12	32	68.073	12.148	15.787	85.20	0.869
4	12	34	109.838	7.193	91.138	10.55	0.964
4	12	36	79.080	11.155	65.049	189.84	0.908
4	12	38	60.840	13.140	8.875	354.03	0.098
4	12	40	49.705	15.894	35.126	130.30	0.590
4	13	1	362.205	3.289	502.590	7.04	0.990
4	13	3	216.315	2.855	308.160	311.44	0.968
4	13	5	609.526	5.308	812.421	288.33	0.997
4	13	7	259.651	2.463	452.273	37.55	0.974
4	13	9	181.941	2.407	249.440	44.16	0.964
4	13	11	36.099	7.709	18.980	268.65	0.048
4	13	13	377.561	3.457	575.534	347.83	0.991
4	13	15	483.813	4.127	674.600	248.68	0.994

4	13	17	92.804	3.858	112.188	233.49	0.860
4	13	19	165.615	3.154	182.689	115.84	0.964
4	13	21	418.218	3.832	583.851	244.01	0.994
4	13	23	354.280	3.417	445.103	54.15	0.992
4	13	25	185.684	3.279	270.518	202.98	0.965
4	13	27	303.562	3.566	389.007	165.15	0.988
4	13	29	73.897	9.698	55.795	84.48	0.560
4	13	31	50.808	12.704	10.156	192.23	0.616
4	13	33	131.980	7.738	194.285	213.54	0.953
4	13	35	135.248	7.085	159.340	64.82	0.967
4	13	37	81.528	12.078	90.978	266.25	0.893
4	13	39	57.446	14.030	37.678	147.95	0.536
4	14	0	220.493	3.527	308.410	180.00	1.000
4	14	2	374.198	3.415	451.907	51.09	0.994
4	14	4	160.858	2.277	218.861	274.90	0.990
4	14	6	41.339	7.020	52.208	273.67	0.597
4	14	8	189.915	2.407	266.832	87.76	0.988
4	14	10	338.391	3.100	458.618	160.96	0.991
4	14	12	55.876	5.042	9.344	104.97	0.480
4	14	14	73.489	5.257	72.296	167.01	0.727
4	14	16	370.270	3.331	506.634	279.11	0.992
4	14	18	644.894	5.598	929.211	96.87	0.998
4	14	20	333.263	3.223	490.765	74.23	0.991
4	14	22	176.713	3.345	216.036	208.75	0.974
4	14	24	138.234	3.850	193.407	298.72	0.925
4	14	26	162.510	4.799	164.110	175.55	0.965
4	14	28	52.107	10.984	17.131	323.39	0.439
4	14	30	167.301	7.093	199.832	58.64	0.971
4	14	32	142.148	5.853	153.995	52.13	0.973
4	14	34	138.723	5.580	211.527	103.61	0.957
4	14	36	41.331	12.709	2.120	312.05	0.186
4	14	38	77.462	13.703	62.992	39.01	0.902
4	14	40	58.257	25.847	26.022	223.77	0.742
4	15	1	141.012	2.381	163.005	31.70	0.962
4	15	3	80.954	4.124	84.612	63.32	0.804
4	15	5	291.006	2.718	430.213	219.50	0.985
4	15	7	160.123	2.798	208.781	343.33	0.963
4	15	9	96.693	2.965	89.113	331.23	0.939
4	15	11	407.400	3.509	589.623	310.39	0.992
4	15	13	436.506	3.750	541.322	78.98	0.994
4	15	15	305.289	3.136	409.073	160.58	0.986
4	15	17	295.067	3.052	420.132	121.45	0.988
4	15	19	351.166	3.269	461.483	137.64	0.992
4	15	21	445.499	4.086	524.220	205.21	0.996
4	15	23	107.696	7.406	93.195	298.23	0.937
4	15	25	227.212	3.969	253.264	55.56	0.980
4	15	27	253.939	4.508	305.654	186.62	0.984
4	15	29	268.687	4.610	332.194	136.18	0.989
4	15	31	111.986	8.509	128.377	46.95	0.952
4	15	33	157.579	5.771	145.945	112.41	0.980
4	15	35	34.041	10.660	7.279	210.70	0.261
4	15	37	50.308	11.982	1.166	38.61	0.852
4	15	39	54.009	22.695	27.313	325.16	0.630
4	16	0	69.996	5.397	78.718	0.00	0.805
4	16	2	211.588	2.413	303.841	244.99	0.986
4	16	4	161.387	2.706	249.781	352.45	0.926
4	16	6	29.558	7.906	45.599	125.22	0.203
4	16	8	425.881	3.538	589.332	189.92	0.993
4	16	10	218.370	2.609	289.134	315.83	0.984
4	16	12	55.491	6.806	21.889	286.67	0.326
4	16	14	474.646	4.272	612.230	103.43	0.995
4	16	16	147.314	2.947	189.431	13.20	0.867
4	16	18	196.209	2.848	238.115	17.77	0.976
4	16	20	263.641	3.429	316.876	237.22	0.987
4	16	22	366.224	3.999	460.188	297.06	0.993
4	16	24	304.717	3.613	368.510	79.94	0.989
4	16	26	217.697	4.603	316.139	176.03	0.970
4	16	28	86.830	11.048	115.780	92.41	0.769
4	16	30	138.813	7.098	216.920	254.97	0.956
4	16	32	79.415	11.941	99.241	231.57	0.754
4	16	34	120.465	6.568	128.604	213.22	0.962
4	16	36	71.716	12.489	59.936	356.40	0.891
4	16	38	44.053	14.357	25.222	116.34	0.473
4	17	1	46.047	6.688	18.993	327.88	0.820
4	17	3	156.577	3.291	170.783	144.82	0.962
4	17	5	223.029	2.646	301.824	9.83	0.976
4	17	7	283.463	2.942	405.277	176.86	0.984

4	17	9	206.201	2.585	314.110	206.64	0.970
4	17	11	281.243	3.065	385.749	73.78	0.984
4	17	13	419.063	3.608	647.706	190.32	0.994
4	17	15	172.188	2.931	233.864	288.54	0.972
4	17	17	491.919	5.052	706.616	329.64	0.996
4	17	19	109.104	5.921	132.887	20.38	0.908
4	17	21	248.061	3.374	299.028	222.43	0.987
4	17	23	120.000	4.946	123.389	21.90	0.946
4	17	25	252.476	3.825	371.591	331.38	0.979
4	17	27	228.355	4.671	307.023	218.49	0.984
4	17	29	153.088	5.391	218.792	1.24	0.967
4	17	31	51.270	12.248	12.962	182.07	0.180
4	17	33	61.478	12.254	36.954	208.62	0.835
4	17	35	67.154	12.733	72.059	40.81	0.807
4	17	37	54.811	15.363	50.814	229.05	0.726
4	18	0	171.939	4.031	240.210	0.00	1.000
4	18	2	120.264	3.654	115.123	332.58	0.943
4	18	4	268.092	3.268	379.497	130.40	0.982
4	18	6	81.951	4.050	71.672	305.25	0.847
4	18	8	255.213	2.765	397.865	144.04	0.980
4	18	10	419.420	3.597	599.566	234.53	0.995
4	18	12	499.403	4.989	688.267	329.64	0.996
4	18	14	189.837	3.415	285.713	164.98	0.965
4	18	16	331.833	3.452	465.484	260.09	0.991
4	18	18	230.977	3.502	299.065	205.48	0.982
4	18	20	127.915	5.322	134.972	162.50	0.940
4	18	22	91.469	6.632	113.806	313.08	0.876
4	18	24	165.465	5.209	274.462	60.56	0.934
4	18	26	163.642	6.264	215.983	200.91	0.967
4	18	28	42.301	11.801	3.790	176.68	0.708
4	18	30	114.065	9.101	131.191	39.49	0.953
4	18	32	39.483	11.055	12.897	189.98	0.283
4	18	34	194.681	4.437	285.036	76.67	0.984
4	18	36	41.972	13.181	23.479	28.39	0.488
4	19	1	282.528	2.838	347.162	250.34	0.987
4	19	3	148.532	3.292	150.801	241.27	0.968
4	19	5	50.940	9.057	37.294	50.77	0.496
4	19	7	257.605	2.763	378.491	279.70	0.984
4	19	9	43.533	8.746	94.817	305.09	0.845
4	19	11	489.830	4.476	713.624	56.29	0.996
4	19	13	570.680	5.281	775.454	150.99	0.997
4	19	15	194.092	3.724	272.366	184.72	0.974
4	19	17	384.248	3.891	548.240	51.11	0.993
4	19	19	190.806	4.246	259.371	72.82	0.969
4	19	21	71.146	11.593	61.384	23.93	0.581
4	19	23	391.043	4.899	542.815	45.32	0.995
4	19	25	118.802	7.077	157.108	45.97	0.934
4	19	27	230.316	5.363	342.004	264.66	0.987
4	19	29	49.588	11.359	27.602	246.32	0.583
4	19	31	123.739	8.473	143.959	5.44	0.962
4	19	33	44.889	12.154	19.430	89.82	0.496
4	19	35	128.166	11.004	150.563	36.64	0.978
4	20	0	176.785	4.446	244.064	0.00	0.989
4	20	2	162.771	2.940	169.669	186.82	0.981
4	20	4	89.913	5.033	71.934	159.81	0.891
4	20	6	175.968	3.544	251.768	27.53	0.968
4	20	8	410.040	4.582	665.655	250.39	0.993
4	20	10	335.206	3.556	401.045	89.31	0.993
4	20	12	273.489	3.347	351.809	169.94	0.988
4	20	14	321.676	3.561	372.231	314.89	0.992
4	20	16	367.090	3.755	490.361	326.45	0.993
4	20	18	257.219	3.611	358.612	35.36	0.983
4	20	20	174.338	4.941	179.289	244.86	0.972
4	20	22	433.541	4.587	608.959	37.54	0.996
4	20	24	221.976	5.042	366.507	190.92	0.978
4	20	26	233.520	4.125	284.351	78.26	0.990
4	20	28	218.707	5.616	268.328	229.46	0.988
4	20	30	233.684	4.088	313.133	356.46	0.989
4	20	32	178.779	5.483	220.028	223.80	0.984
4	20	34	54.870	16.412	53.613	265.38	0.769
4	20	36	38.823	18.448	0.362	117.13	0.400
4	21	1	215.394	2.931	252.276	274.60	0.984
4	21	3	171.371	3.880	269.834	319.25	0.941
4	21	5	260.670	3.208	375.201	130.57	0.986
4	21	7	82.347	7.247	79.432	221.28	0.748
4	21	9	144.409	4.311	176.790	311.02	0.960
4	21	11	158.027	4.290	210.657	282.30	0.963

4	21	13	377.189	3.801	512.409	221.44	0.993
4	21	15	188.003	4.298	289.355	355.41	0.954
4	21	17	555.877	6.084	763.680	306.94	0.996
4	21	19	228.243	5.061	307.573	35.46	0.978
4	21	21	222.378	4.374	375.578	208.40	0.974
4	21	23	243.110	4.005	355.954	100.18	0.985
4	21	25	54.906	16.256	36.405	57.26	0.703
4	21	27	106.203	8.039	148.290	220.21	0.933
4	21	29	208.389	4.620	211.007	348.57	0.989
4	21	31	177.420	5.200	314.986	235.30	0.972
4	21	33	44.222	13.240	34.139	274.52	0.650
4	22	0	174.679	5.296	243.694	180.00	1.000
4	22	2	189.539	3.320	256.035	75.90	0.973
4	22	4	140.294	3.950	134.528	167.98	0.965
4	22	6	99.225	7.127	76.154	264.95	0.914
4	22	8	218.378	4.673	325.343	32.93	0.976
4	22	10	143.594	4.270	228.570	44.93	0.937
4	22	12	321.921	3.706	642.389	187.34	0.926
4	22	14	117.242	6.293	79.113	167.57	0.946
4	22	16	265.205	3.716	393.000	14.40	0.982
4	22	18	205.961	5.661	240.261	102.87	0.983
4	22	20	62.466	12.672	28.863	149.75	0.819
4	22	22	210.838	4.414	300.275	239.74	0.981
4	22	24	142.194	8.811	195.827	61.21	0.968
4	22	26	55.557	10.798	33.739	278.72	0.457
4	22	28	91.106	10.227	123.358	22.73	0.897
4	22	30	45.781	11.643	8.001	346.55	0.760
4	22	32	51.983	16.243	38.048	217.45	0.825
4	22	34	49.016	23.463	9.619	123.47	0.505
4	23	1	130.998	4.431	167.483	254.89	0.947
4	23	3	259.907	3.376	463.351	215.74	0.969
4	23	5	208.363	3.185	282.975	166.60	0.979
4	23	7	188.970	5.654	243.612	123.70	0.975
4	23	9	187.683	4.374	229.173	166.37	0.979
4	23	11	231.791	3.715	478.717	260.74	0.949
4	23	13	223.483	4.312	336.216	66.70	0.975
4	23	15	144.252	6.833	125.668	221.82	0.957
4	23	17	347.470	4.109	463.540	331.77	0.994
4	23	19	266.302	5.455	378.823	221.30	0.988
4	23	21	129.289	8.292	214.775	282.13	0.941
4	23	23	54.146	12.379	47.201	34.59	0.613
4	23	25	136.193	7.505	139.345	217.20	0.974
4	23	27	93.127	7.743	120.899	70.79	0.911
4	23	29	66.637	15.076	70.056	194.08	0.732
4	23	31	63.144	16.366	20.784	208.92	0.932
4	23	33	55.970	25.585	12.523	149.20	0.789
4	24	0	321.503	4.954	448.257	0.00	1.000
4	24	2	533.436	4.435	702.037	48.70	0.997
4	24	4	335.780	3.339	474.568	242.27	0.990
4	24	6	383.986	5.944	562.951	293.88	0.992
4	24	8	438.085	4.995	652.304	110.61	0.994
4	24	10	89.225	7.857	110.549	113.36	0.711
4	24	12	297.306	3.793	433.110	294.25	0.987
4	24	14	186.933	5.633	221.779	162.90	0.980
4	24	16	201.962	5.675	274.988	277.01	0.980
4	24	18	157.358	5.328	200.623	199.05	0.969
4	24	20	138.515	6.559	156.408	315.85	0.974
4	24	22	33.385	10.085	12.024	149.80	0.483
4	24	24	63.556	9.771	59.134	283.72	0.512
4	24	26	106.232	9.054	162.914	185.03	0.935
4	24	28	57.276	16.375	41.595	331.79	0.563
4	24	30	120.753	9.386	171.826	10.30	0.972
4	25	1	478.257	4.352	642.159	352.73	0.996
4	25	3	388.779	4.814	547.270	312.19	0.993
4	25	5	129.200	6.051	126.900	28.34	0.958
4	25	7	80.734	16.076	67.249	47.29	0.803
4	25	9	338.191	5.223	475.710	128.53	0.991
4	25	11	256.078	4.528	390.581	289.00	0.987
4	25	13	153.842	6.600	193.673	113.45	0.969
4	25	15	64.336	12.519	49.710	203.92	0.821
4	25	17	53.785	12.318	31.148	333.27	0.751
4	25	19	101.948	7.951	95.571	140.84	0.955
4	25	21	165.594	6.092	194.335	227.02	0.982
4	25	23	54.225	12.500	34.283	41.83	0.652
4	25	25	69.185	10.175	49.062	210.07	0.916
4	25	27	111.969	10.242	185.266	17.63	0.881
4	25	29	39.377	19.066	2.143	291.63	0.692

4	26	0	107.691	14.392	103.503	0.00	0.693
4	26	2	92.825	9.616	66.477	146.93	0.932
4	26	4	90.348	9.619	106.708	259.09	0.894
4	26	6	63.885	11.881	9.387	265.27	0.888
4	26	8	168.287	8.490	226.081	122.23	0.973
4	26	10	263.525	4.657	384.856	149.34	0.988
4	26	12	159.405	5.226	268.711	149.50	0.955
4	26	14	140.191	4.926	140.019	158.49	0.977
4	26	16	127.855	6.152	251.335	219.06	0.899
4	26	18	109.833	5.771	104.122	220.71	0.962
4	26	20	75.843	9.370	104.273	127.13	0.755
4	26	22	96.559	8.181	159.523	321.68	0.787
4	26	24	90.485	11.073	110.086	311.23	0.930
4	26	26	61.072	15.241	61.970	287.44	0.882
4	26	28	96.367	13.531	116.834	119.73	0.956
4	27	1	261.210	5.788	388.110	247.24	0.988
4	27	3	82.011	20.149	102.025	157.67	0.795
4	27	5	296.972	4.910	400.899	248.05	0.992
4	27	7	214.722	5.946	236.277	5.78	0.986
4	27	9	222.992	5.496	281.636	73.61	0.990
4	27	11	75.323	10.064	84.178	194.22	0.887
4	27	13	207.819	4.171	353.588	295.00	0.982
4	27	15	282.843	3.791	415.894	232.00	0.993
4	27	17	111.251	7.974	156.347	3.27	0.939
4	27	19	39.380	11.026	7.968	141.69	0.396
4	27	21	57.850	11.650	61.772	33.80	0.764
4	27	23	112.065	13.124	190.105	155.49	0.910
4	27	25	38.928	18.069	7.517	203.75	0.538
4	27	27	42.436	19.968	22.620	160.44	0.828
4	28	0	284.037	8.794	394.318	0.00	1.000
4	28	2	51.863	15.532	21.177	22.04	0.303
4	28	4	100.017	11.871	41.438	316.55	0.966
4	28	6	64.355	11.712	55.196	309.00	0.861
4	28	8	39.013	12.185	8.532	351.17	0.191
4	28	10	179.760	6.210	284.352	47.09	0.979
4	28	12	80.878	9.805	115.561	26.93	0.863
4	28	14	156.391	5.849	273.575	184.73	0.965
4	28	16	163.948	4.750	235.262	5.79	0.977
4	28	18	139.080	6.323	162.277	135.17	0.977
4	28	20	45.001	12.772	4.070	18.56	0.799
4	28	22	54.993	14.406	6.325	143.26	0.878
4	28	24	43.552	14.037	22.777	241.25	0.787
4	28	26	40.796	19.181	7.347	230.88	0.540
4	29	1	193.801	5.945	222.147	173.33	0.987
4	29	3	259.876	5.044	366.533	203.89	0.992
4	29	5	103.800	11.505	136.412	138.66	0.944
4	29	7	244.830	5.561	338.498	13.03	0.991
4	29	9	53.004	14.675	37.956	291.79	0.696
4	29	11	52.939	13.078	33.826	355.56	0.485
4	29	13	238.635	4.568	366.337	140.62	0.989
4	29	15	119.501	6.979	157.343	359.66	0.965
4	29	17	64.703	10.046	77.319	191.72	0.674
4	29	19	61.433	13.934	60.196	21.16	0.761
4	29	21	109.393	14.433	124.113	330.55	0.971
4	29	23	42.757	20.858	14.883	236.08	0.764
4	30	0	26.456	13.026	28.632	0.00	0.788
4	30	2	85.233	15.546	104.350	72.90	0.908
4	30	4	78.270	10.409	81.684	288.89	0.909
4	30	6	44.814	12.065	4.337	156.11	0.767
4	30	8	105.517	12.894	135.190	350.09	0.941
4	30	10	54.659	13.398	19.959	347.34	0.844
4	30	12	45.301	12.145	23.373	221.45	0.519
4	30	14	76.571	9.332	72.906	275.70	0.923
4	30	16	65.792	13.445	41.861	277.10	0.896
4	30	18	49.278	13.238	4.163	28.71	0.911
4	30	20	63.784	14.456	46.958	342.76	0.921
4	30	22	56.414	25.081	15.091	1.43	0.784
4	31	1	137.901	5.578	168.482	347.18	0.973
4	31	3	81.203	8.092	99.256	344.95	0.909
4	31	5	33.316	10.307	9.643	177.85	0.506
4	31	7	67.945	11.266	69.720	103.33	0.893
4	31	9	47.976	13.102	26.493	178.96	0.464
4	31	11	46.803	14.072	25.461	134.11	0.508
4	31	13	50.695	14.599	33.682	27.55	0.614
4	31	15	46.797	12.988	33.261	98.01	0.821
4	31	17	37.895	12.374	20.496	222.01	0.561
4	31	19	55.029	21.766	36.042	94.57	0.739

4	32	0	178.669	7.393	120.035	0.00	0.487
4	32	2	120.278	6.059	136.492	143.67	0.972
4	32	4	64.363	10.006	52.107	179.68	0.903
4	32	6	42.286	13.652	11.432	295.23	0.646
4	32	8	66.933	18.044	58.544	228.30	0.835
4	32	10	98.551	10.288	132.994	27.53	0.963
4	32	12	55.374	15.889	49.146	84.73	0.859
4	32	14	36.179	16.997	6.450	217.21	0.361
4	32	16	44.862	21.023	3.369	264.56	0.772
4	33	1	59.313	15.812	50.433	48.07	0.903
4	33	3	74.300	12.155	95.945	17.12	0.932
4	33	5	53.951	14.820	40.067	4.31	0.886
4	33	7	39.542	11.735	15.989	214.54	0.337
4	33	9	49.103	14.756	29.136	58.19	0.427
4	33	11	49.424	21.544	13.909	91.70	0.870
4	33	13	86.310	19.747	116.878	274.91	0.855
4	34	0	45.765	23.185	2.241	180.00	0.040
4	34	2	43.857	12.677	12.576	2.98	0.189
4	34	4	43.307	13.761	11.811	147.21	0.188
5	0	1	777.216	10.128	1089.932	180.00	1.000
5	0	3	428.548	6.305	341.653	0.00	0.568
5	0	5	315.695	3.786	410.178	0.00	0.929
5	0	7	481.586	9.282	673.003	180.00	1.000
5	0	9	337.579	3.816	466.592	180.00	0.990
5	0	11	131.033	2.955	180.902	0.00	1.000
5	0	13	169.518	2.935	233.947	0.00	1.000
5	0	15	135.277	3.059	187.012	180.00	1.000
5	0	17	208.857	3.498	287.008	180.00	1.000
5	0	19	91.387	4.923	75.545	180.00	0.612
5	0	21	182.467	3.603	248.801	180.00	1.000
5	0	23	305.074	4.329	413.392	0.00	1.000
5	0	25	223.045	4.269	300.091	0.00	1.000
5	0	27	428.903	5.356	573.999	0.00	1.000
5	0	29	260.533	5.065	346.004	0.00	1.000
5	0	31	123.172	7.693	161.461	0.00	0.998
5	0	33	363.926	6.832	475.532	180.00	1.000
5	0	35	245.303	7.932	317.427	180.00	1.000
5	0	37	51.353	19.555	63.054	0.00	0.979
5	0	39	29.890	14.357	16.660	0.00	0.445
5	0	41	35.640	16.997	6.860	180.00	0.158
5	0	43	34.954	23.653	30.416	0.00	0.806
5	1	0	355.831	5.687	497.173	0.00	0.996
5	1	2	484.266	4.226	581.887	152.43	0.978
5	1	4	285.519	2.347	354.141	339.68	0.939
5	1	6	427.348	3.806	587.147	263.89	0.971
5	1	8	703.021	5.651	927.639	327.11	0.989
5	1	10	933.409	7.264	1227.264	187.78	0.998
5	1	12	489.876	4.367	722.921	161.24	0.994
5	1	14	354.792	3.487	529.727	9.96	0.987
5	1	16	230.699	2.522	308.219	80.11	0.971
5	1	18	175.940	2.575	295.785	172.98	0.944
5	1	20	71.442	4.338	52.325	15.80	0.708
5	1	22	225.573	2.723	336.180	123.31	0.969
5	1	24	217.222	2.943	340.833	22.87	0.963
5	1	26	604.813	5.501	783.199	53.87	0.997
5	1	28	258.795	3.109	361.669	203.74	0.983
5	1	30	130.468	4.802	151.320	355.66	0.936
5	1	32	369.654	3.914	377.428	277.57	0.993
5	1	34	344.356	4.502	473.087	46.94	0.992
5	1	36	140.189	6.329	117.970	313.00	0.976
5	1	38	133.057	6.197	159.134	111.23	0.963
5	1	40	99.238	9.046	95.084	177.91	0.938
5	1	42	36.874	11.913	4.794	217.09	0.479
5	2	1	271.440	2.950	420.978	47.86	0.983
5	2	3	405.120	3.180	608.460	262.57	0.961
5	2	5	848.613	7.885	1269.894	1.67	0.992
5	2	7	773.850	6.176	1075.945	99.10	0.990
5	2	9	509.930	4.496	652.000	68.50	0.979
5	2	11	384.448	3.165	529.089	218.41	0.993
5	2	13	493.021	4.540	784.559	211.67	0.993
5	2	15	214.961	2.304	330.579	88.59	0.960
5	2	17	162.219	2.460	255.704	238.82	0.954
5	2	19	169.700	2.701	223.758	27.66	0.986
5	2	21	384.821	3.313	514.139	254.59	0.991
5	2	23	126.030	3.366	173.697	47.05	0.941
5	2	25	481.948	4.266	704.131	115.39	0.995
5	2	27	326.799	3.396	405.291	355.18	0.991

5	2	29	175.637	3.656	232.522	85.41	0.963
5	2	31	350.259	3.696	446.083	283.06	0.991
5	2	33	78.866	9.587	58.252	326.55	0.597
5	2	35	125.765	6.679	176.174	302.22	0.932
5	2	37	103.210	8.711	103.739	347.06	0.947
5	2	39	148.005	5.329	211.645	321.19	0.964
5	2	41	56.419	13.843	39.150	198.79	0.507
5	2	43	66.087	19.177	66.814	208.89	0.832
5	3	0	144.147	1.744	142.277	0.00	0.704
5	3	2	1064.038	14.435	1501.690	282.20	0.995
5	3	4	259.058	2.256	337.543	238.41	0.941
5	3	6	926.599	9.893	1286.990	86.69	0.994
5	3	8	510.594	4.336	704.929	176.79	0.979
5	3	10	764.217	6.208	1020.253	107.23	0.998
5	3	12	248.617	2.789	351.307	114.36	0.974
5	3	14	746.990	7.155	1042.434	324.52	0.997
5	3	16	329.672	3.124	423.200	249.45	0.990
5	3	18	357.963	3.345	516.072	254.91	0.990
5	3	20	165.628	2.657	233.693	225.58	0.957
5	3	22	266.650	2.846	357.110	322.11	0.981
5	3	24	189.801	2.628	278.849	16.26	0.963
5	3	26	406.232	3.733	552.195	180.37	0.994
5	3	28	405.709	3.726	569.792	342.23	0.993
5	3	30	177.756	3.611	210.144	70.64	0.969
5	3	32	139.885	4.777	189.893	140.29	0.924
5	3	34	46.856	12.933	10.673	348.39	0.664
5	3	36	47.606	12.381	15.287	176.23	0.408
5	3	38	40.689	11.561	4.637	5.21	0.611
5	3	40	50.391	13.221	24.987	312.70	0.702
5	3	42	96.703	11.714	137.730	211.23	0.884
5	4	1	469.926	4.356	631.576	229.12	0.979
5	4	3	175.694	1.836	126.777	228.16	0.795
5	4	5	809.243	7.135	1147.308	209.12	0.992
5	4	7	1002.518	8.766	1469.502	335.77	0.994
5	4	9	645.241	5.297	899.145	308.06	0.997
5	4	11	222.374	2.168	300.083	155.37	0.992
5	4	13	472.157	4.057	643.855	62.84	0.994
5	4	15	251.232	2.838	378.040	240.98	0.973
5	4	17	378.657	3.697	494.644	359.18	0.994
5	4	19	131.742	2.621	176.384	50.43	0.974
5	4	21	129.586	2.867	172.176	168.04	0.616
5	4	23	205.242	2.862	221.254	302.31	0.978
5	4	25	406.052	3.611	586.396	154.85	0.994
5	4	27	68.942	6.519	30.543	179.80	0.340
5	4	29	398.928	3.757	513.933	329.96	0.994
5	4	31	203.105	3.720	237.802	209.17	0.979
5	4	33	133.945	6.492	166.620	15.80	0.950
5	4	35	188.678	5.287	194.817	178.46	0.980
5	4	37	194.175	5.861	280.314	254.26	0.979
5	4	39	77.362	11.060	95.910	129.95	0.741
5	4	41	54.235	13.736	35.337	19.10	0.495
5	4	43	42.471	21.409	6.239	310.40	0.372
5	5	0	1101.789	14.614	1544.784	180.00	1.000
5	5	2	442.476	3.629	602.718	258.79	0.976
5	5	4	891.826	9.660	1306.597	17.12	0.993
5	5	6	918.307	7.555	1312.329	51.53	0.993
5	5	8	314.179	2.950	441.538	62.50	0.986
5	5	10	572.634	6.049	804.482	93.20	0.996
5	5	12	111.034	2.846	162.351	337.00	0.971
5	5	14	287.869	2.751	361.269	159.62	0.987
5	5	16	216.436	2.519	302.694	322.00	0.976
5	5	18	259.800	2.831	358.978	22.47	0.987
5	5	20	105.619	3.307	123.009	273.62	0.879
5	5	22	266.620	2.776	434.389	247.33	0.973
5	5	24	303.957	3.124	440.542	177.24	0.989
5	5	26	207.815	3.141	250.644	141.98	0.980
5	5	28	454.702	4.162	597.473	127.89	0.995
5	5	30	204.395	3.590	300.514	306.82	0.965
5	5	32	165.535	4.643	228.774	176.30	0.949
5	5	34	97.862	8.306	112.575	170.61	0.896
5	5	36	211.794	4.482	255.406	236.00	0.986
5	5	38	67.348	11.156	53.896	337.92	0.536
5	5	40	63.590	11.928	55.891	293.73	0.815
5	5	42	49.261	16.683	32.488	318.81	0.776
5	6	1	246.460	2.484	302.204	295.02	0.947
5	6	3	1084.752	11.805	1493.153	110.49	0.995
5	6	5	215.153	2.103	297.825	190.64	0.987

5	6	7	393.954	3.754	549.693	119.66	0.992
5	6	9	544.864	5.183	818.313	179.86	0.995
5	6	11	359.767	3.223	486.022	179.85	0.992
5	6	13	139.212	2.397	205.421	334.33	0.967
5	6	15	292.930	3.158	436.292	249.09	0.985
5	6	17	222.424	2.641	303.725	248.13	0.979
5	6	19	507.713	4.718	689.431	125.76	0.996
5	6	21	109.547	3.482	146.256	272.51	0.792
5	6	23	298.734	3.255	388.123	179.77	0.987
5	6	25	551.643	5.768	798.769	198.07	0.996
5	6	27	394.193	3.592	519.155	113.48	0.993
5	6	29	74.587	7.687	66.284	129.65	0.854
5	6	31	104.767	5.901	106.100	166.88	0.901
5	6	33	140.428	6.793	172.143	55.77	0.955
5	6	35	93.153	9.427	94.854	288.23	0.928
5	6	37	117.387	8.310	102.033	232.32	0.963
5	6	39	29.763	9.802	19.011	336.13	0.335
5	6	41	61.114	13.975	53.770	198.94	0.701
5	6	43	58.388	26.085	26.925	144.64	0.588
5	7	0	37.666	6.274	4.070	180.00	0.086
5	7	2	726.840	6.088	1025.134	346.66	0.990
5	7	4	652.855	5.730	876.344	175.31	0.988
5	7	6	470.344	6.370	705.630	216.81	0.993
5	7	8	534.865	5.017	736.537	292.00	0.996
5	7	10	739.023	5.932	1005.443	320.12	0.997
5	7	12	489.948	4.598	633.260	50.38	0.995
5	7	14	302.865	2.812	391.221	312.42	0.989
5	7	16	321.124	3.112	421.516	129.59	0.989
5	7	18	291.046	2.834	409.986	82.30	0.985
5	7	20	375.440	4.179	553.094	127.79	0.990
5	7	22	117.959	3.669	158.481	256.66	0.756
5	7	24	190.646	3.084	220.513	95.92	0.979
5	7	26	100.712	4.962	105.398	233.01	0.915
5	7	28	203.734	3.447	176.293	35.73	0.981
5	7	30	170.108	4.142	206.063	305.09	0.965
5	7	32	55.018	13.865	3.664	229.20	0.563
5	7	34	178.067	5.882	200.773	47.18	0.975
5	7	36	80.172	12.920	94.728	329.43	0.873
5	7	38	48.150	13.781	14.346	109.63	0.474
5	7	40	54.228	11.018	34.125	44.82	0.742
5	7	42	38.401	12.836	9.938	163.38	0.720
5	8	1	439.833	5.033	629.251	355.13	0.993
5	8	3	911.068	7.048	1294.978	302.86	0.998
5	8	5	511.674	5.181	776.381	359.40	0.994
5	8	7	87.784	2.859	133.814	116.00	0.781
5	8	9	153.189	2.108	220.090	327.27	0.780
5	8	11	247.595	2.628	351.825	284.05	0.974
5	8	13	313.277	2.960	416.502	68.86	0.988
5	8	15	314.330	3.036	375.137	76.32	0.990
5	8	17	247.192	2.803	352.839	114.45	0.979
5	8	19	614.400	5.629	937.212	67.58	0.996
5	8	21	375.207	3.406	457.479	343.95	0.992
5	8	23	397.870	3.532	631.814	0.56	0.992
5	8	25	189.091	3.593	263.996	146.84	0.971
5	8	27	106.229	6.508	121.853	248.26	0.899
5	8	29	156.749	3.810	155.697	68.50	0.961
5	8	31	118.167	5.802	163.644	152.93	0.738
5	8	33	269.245	4.645	363.917	80.19	0.988
5	8	35	81.416	12.016	108.922	116.71	0.782
5	8	37	135.642	5.873	176.343	78.30	0.963
5	8	39	65.267	12.227	46.515	209.27	0.874
5	8	41	74.209	14.187	76.007	10.39	0.924
5	9	0	272.678	3.954	381.593	180.00	1.000
5	9	2	826.894	7.621	1192.163	192.16	0.998
5	9	4	192.149	2.108	304.735	98.68	0.976
5	9	6	724.872	6.757	989.625	279.44	0.997
5	9	8	591.599	5.314	860.079	335.72	0.996
5	9	10	153.726	2.091	168.826	346.84	0.977
5	9	12	217.734	2.490	289.070	189.29	0.992
5	9	14	102.690	2.635	130.602	315.66	0.808
5	9	16	320.519	2.987	442.399	212.41	0.989
5	9	18	160.628	2.686	170.248	305.32	0.982
5	9	20	31.738	8.190	32.348	246.19	0.458
5	9	22	342.509	3.253	452.003	318.16	0.992
5	9	24	350.620	3.331	575.666	354.51	0.989
5	9	26	196.853	3.478	256.436	358.46	0.977
5	9	28	173.728	3.882	264.438	166.40	0.955

5	9	30	71.009	8.629	65.975	79.04	0.674
5	9	32	168.924	4.209	227.830	154.27	0.970
5	9	34	53.724	12.880	34.947	154.69	0.609
5	9	36	48.623	13.663	20.314	45.90	0.470
5	9	38	98.595	8.670	110.205	164.95	0.932
5	9	40	51.335	14.309	26.496	236.48	0.647
5	9	42	97.905	24.478	100.164	30.34	0.924
5	10	1	286.819	2.561	310.769	76.80	0.988
5	10	3	231.038	2.284	345.483	214.78	0.970
5	10	5	514.810	4.822	820.696	138.12	0.994
5	10	7	293.532	2.901	414.108	359.82	0.985
5	10	9	275.012	2.881	379.631	25.37	0.981
5	10	11	279.589	2.659	325.048	267.84	0.989
5	10	13	362.632	3.279	480.411	337.01	0.992
5	10	15	123.341	2.585	145.443	88.27	0.930
5	10	17	321.600	3.056	388.730	302.89	0.990
5	10	19	353.160	3.261	479.451	220.45	0.990
5	10	21	388.115	3.566	510.026	160.94	0.994
5	10	23	183.388	2.999	277.706	3.79	0.965
5	10	25	107.300	4.787	103.776	345.50	0.926
5	10	27	216.748	3.454	279.859	146.22	0.977
5	10	29	129.409	4.809	166.776	226.65	0.922
5	10	31	101.452	6.981	63.406	291.73	0.943
5	10	33	240.537	3.883	298.951	185.02	0.986
5	10	35	231.092	4.338	293.707	33.75	0.988
5	10	37	41.292	11.332	3.797	220.87	0.455
5	10	39	44.431	12.524	14.077	19.08	0.462
5	10	41	44.878	14.293	20.209	150.72	0.359
5	11	0	1203.648	12.645	1685.933	0.00	1.000
5	11	2	288.612	3.041	388.585	335.65	0.988
5	11	4	176.482	2.062	216.337	29.16	0.973
5	11	6	404.311	3.742	530.238	226.45	0.993
5	11	8	229.341	2.382	314.453	188.98	0.985
5	11	10	203.956	2.402	265.461	60.80	0.975
5	11	12	223.584	2.419	351.449	166.23	0.991
5	11	14	229.928	2.573	335.666	176.77	0.984
5	11	16	331.997	3.035	660.166	319.31	0.948
5	11	18	456.427	4.352	619.038	140.15	0.994
5	11	20	127.079	3.269	157.846	93.75	0.912
5	11	22	127.681	3.724	210.217	232.64	0.858
5	11	24	358.982	3.343	512.136	6.93	0.993
5	11	26	77.230	6.241	71.489	0.76	0.607
5	11	28	205.641	3.315	306.065	231.05	0.966
5	11	30	192.125	3.984	255.003	279.57	0.969
5	11	32	136.233	6.560	142.532	305.00	0.963
5	11	34	54.992	12.565	36.812	75.48	0.709
5	11	36	76.903	10.982	31.118	325.96	0.927
5	11	38	42.125	11.622	8.768	311.21	0.210
5	11	40	63.328	14.928	73.472	275.88	0.759
5	12	1	211.757	2.326	327.877	115.21	0.962
5	12	3	482.053	4.314	706.226	214.05	0.994
5	12	5	747.706	6.674	1029.984	240.20	0.998
5	12	7	406.107	3.838	535.849	336.84	0.994
5	12	9	209.558	2.465	261.957	121.90	0.976
5	12	11	149.560	2.380	181.960	298.09	0.960
5	12	13	253.595	2.581	335.128	248.52	0.983
5	12	15	562.172	4.823	848.751	82.88	0.996
5	12	17	273.110	2.828	332.490	287.44	0.984
5	12	19	117.587	3.782	94.350	214.93	0.926
5	12	21	360.836	3.396	450.083	274.00	0.993
5	12	23	44.341	9.003	61.017	140.19	0.749
5	12	25	508.793	4.439	655.697	28.12	0.996
5	12	27	52.951	9.954	2.575	217.66	0.552
5	12	29	94.616	8.898	35.816	175.23	0.911
5	12	31	328.759	3.935	420.666	83.95	0.992
5	12	33	297.584	3.866	356.785	326.97	0.994
5	12	35	64.711	11.481	57.225	146.46	0.812
5	12	37	123.821	6.611	199.164	10.68	0.928
5	12	39	99.824	10.308	124.604	266.88	0.929
5	12	41	59.896	23.886	30.148	5.82	0.774
5	13	0	210.711	3.029	294.296	0.00	1.000
5	13	2	67.486	9.074	24.752	131.53	0.245
5	13	4	323.557	2.944	462.837	132.01	0.989
5	13	6	230.483	2.806	318.246	3.03	0.992
5	13	8	200.936	2.291	295.759	238.23	0.973
5	13	10	155.131	2.707	205.253	43.74	0.954
5	13	12	294.587	2.891	441.388	265.42	0.978

5	13	14	133.782	3.011	147.640	266.45	0.954
5	13	16	303.403	2.989	531.529	240.20	0.963
5	13	18	183.855	2.981	238.862	296.00	0.974
5	13	20	644.671	6.214	890.945	176.59	0.998
5	13	22	257.237	3.005	359.690	160.93	0.984
5	13	24	119.217	4.318	135.165	78.43	0.934
5	13	26	258.758	3.330	329.559	169.04	0.985
5	13	28	315.321	3.768	422.658	106.05	0.988
5	13	30	40.009	11.118	14.489	291.61	0.409
5	13	32	72.193	10.107	21.686	136.02	0.927
5	13	34	106.008	7.064	76.396	142.90	0.959
5	13	36	50.882	13.046	9.426	2.32	0.238
5	13	38	52.253	13.077	28.319	176.38	0.777
5	13	40	41.873	20.616	1.594	236.46	0.163
5	14	1	276.285	3.060	343.201	7.66	0.987
5	14	3	176.322	3.557	243.398	332.05	0.959
5	14	5	250.944	2.499	372.061	314.07	0.981
5	14	7	202.290	2.429	307.938	24.42	0.968
5	14	9	215.025	2.716	325.366	37.33	0.971
5	14	11	104.767	3.432	56.199	230.05	0.919
5	14	13	258.128	2.817	414.968	328.16	0.976
5	14	15	344.173	3.111	472.802	185.55	0.989
5	14	17	74.938	5.720	71.385	173.98	0.743
5	14	19	265.186	2.904	385.771	32.64	0.985
5	14	21	165.735	3.489	227.562	183.47	0.960
5	14	23	465.119	4.382	663.143	264.86	0.995
5	14	25	175.472	3.834	216.467	119.45	0.962
5	14	27	72.529	9.368	51.687	261.12	0.689
5	14	29	107.387	7.523	168.775	19.29	0.850
5	14	31	141.115	6.097	159.899	251.19	0.972
5	14	33	94.468	8.226	112.057	308.45	0.922
5	14	35	84.979	8.538	45.090	189.00	0.940
5	14	37	60.781	12.817	44.377	248.92	0.828
5	14	39	56.688	16.360	50.591	149.80	0.632
5	15	0	176.132	3.270	245.786	0.00	1.000
5	15	2	130.320	2.798	177.268	351.00	0.964
5	15	4	453.412	3.943	674.708	283.79	0.994
5	15	6	136.547	2.636	185.200	140.92	0.983
5	15	8	153.896	2.549	251.049	214.73	0.961
5	15	10	237.172	2.800	333.936	301.49	0.981
5	15	12	144.125	2.983	188.512	177.04	0.982
5	15	14	164.708	3.277	271.079	358.09	0.953
5	15	16	372.139	3.671	468.387	199.22	0.994
5	15	18	418.237	3.781	607.502	328.11	0.994
5	15	20	458.052	4.081	602.484	305.69	0.995
5	15	22	172.716	3.900	214.481	288.33	0.969
5	15	24	205.233	3.555	286.167	196.20	0.978
5	15	26	315.894	3.702	471.508	210.61	0.986
5	15	28	123.039	8.979	141.591	127.46	0.947
5	15	30	184.403	4.156	255.026	105.42	0.981
5	15	32	154.090	5.311	199.620	321.06	0.974
5	15	34	157.423	5.385	178.097	9.83	0.977
5	15	36	52.490	12.275	43.288	301.55	0.704
5	15	38	47.238	13.709	37.352	14.84	0.749
5	16	1	252.560	2.548	332.038	193.70	0.985
5	16	3	195.112	2.898	232.131	248.64	0.970
5	16	5	53.973	5.278	8.554	96.19	0.619
5	16	7	263.070	2.786	303.596	102.33	0.985
5	16	9	246.497	2.684	295.797	44.07	0.981
5	16	11	462.083	4.459	625.502	98.50	0.994
5	16	13	223.422	2.880	304.824	154.94	0.974
5	16	15	271.437	3.315	401.158	161.75	0.985
5	16	17	97.738	5.674	56.369	345.23	0.929
5	16	19	54.635	9.168	23.723	227.25	0.798
5	16	21	121.359	4.636	193.787	221.74	0.868
5	16	23	201.814	3.735	274.701	7.93	0.971
5	16	25	84.711	8.371	82.670	217.54	0.795
5	16	27	50.255	11.803	10.366	295.98	0.604
5	16	29	333.011	4.152	456.900	171.62	0.992
5	16	31	50.615	12.770	24.302	166.30	0.396
5	16	33	53.455	12.949	29.395	192.85	0.731
5	16	35	36.575	11.497	22.256	74.66	0.727
5	16	37	78.171	13.752	112.749	142.08	0.832
5	16	39	47.775	22.782	9.585	5.75	0.560
5	17	0	139.666	4.091	194.270	180.00	0.997
5	17	2	133.720	2.708	180.306	26.57	0.951
5	17	4	242.371	2.896	248.918	153.73	0.986

5	17	6	208.725	2.863	300.689	346.78	0.984
5	17	8	565.931	4.711	788.785	121.25	0.996
5	17	10	261.206	2.730	392.577	67.76	0.979
5	17	12	185.544	3.217	269.307	91.30	0.973
5	17	14	434.446	3.786	575.057	62.63	0.995
5	17	16	307.833	3.340	377.945	52.91	0.991
5	17	18	202.983	3.352	313.331	36.61	0.976
5	17	20	471.626	4.166	642.335	23.24	0.996
5	17	22	151.574	4.462	119.633	37.10	0.968
5	17	24	180.937	4.482	187.697	79.06	0.974
5	17	26	42.320	12.084	21.947	272.37	0.573
5	17	28	117.401	6.574	166.631	115.96	0.915
5	17	30	53.553	12.533	31.724	117.83	0.796
5	17	32	57.059	10.823	44.615	310.40	0.742
5	17	34	76.775	10.242	86.760	127.64	0.891
5	17	36	61.601	15.075	65.465	149.34	0.873
5	17	38	47.027	21.869	3.335	201.76	0.761
5	18	1	186.099	2.610	283.471	15.27	0.972
5	18	3	284.505	3.578	471.672	45.19	0.980
5	18	5	92.835	4.938	113.450	332.21	0.890
5	18	7	386.319	3.628	613.306	144.17	0.990
5	18	9	80.517	4.500	95.660	296.39	0.791
5	18	11	184.729	3.064	207.245	178.05	0.980
5	18	13	328.321	3.386	431.598	207.85	0.992
5	18	15	173.145	3.070	261.588	255.03	0.961
5	18	17	288.676	3.094	393.253	302.70	0.988
5	18	19	84.600	5.739	17.959	74.99	0.926
5	18	21	237.017	3.571	288.507	163.59	0.981
5	18	23	246.616	4.236	232.028	139.11	0.986
5	18	25	302.452	4.636	409.888	102.69	0.991
5	18	27	41.938	12.223	1.256	237.15	0.179
5	18	29	60.980	11.453	6.283	108.72	0.895
5	18	31	115.080	6.321	125.094	319.09	0.963
5	18	33	254.683	3.910	318.847	54.09	0.992
5	18	35	40.003	12.569	5.488	183.62	0.649
5	18	37	46.787	20.974	3.496	226.68	0.080
5	19	0	311.393	4.230	435.556	180.00	1.000
5	19	2	572.015	4.611	804.343	172.61	0.997
5	19	4	194.511	2.896	270.916	322.59	0.976
5	19	6	33.076	8.681	56.788	296.77	0.590
5	19	8	330.395	3.283	401.803	242.64	0.993
5	19	10	527.551	4.449	782.456	102.16	0.996
5	19	12	562.450	4.660	821.624	195.91	0.997
5	19	14	231.671	3.200	351.891	169.52	0.979
5	19	16	254.749	3.133	310.040	339.76	0.987
5	19	18	412.994	3.910	616.735	206.46	0.993
5	19	20	87.484	6.078	79.278	308.82	0.864
5	19	22	130.781	6.409	204.360	72.71	0.885
5	19	24	359.009	4.149	514.312	337.22	0.993
5	19	26	64.790	12.712	50.432	322.23	0.861
5	19	28	81.097	9.694	65.816	285.12	0.920
5	19	30	242.945	4.349	340.570	273.91	0.989
5	19	32	161.670	6.841	172.122	128.30	0.983
5	19	34	38.515	12.171	20.487	75.00	0.745
5	19	36	61.708	13.741	67.658	342.62	0.852
5	20	1	556.345	4.433	808.474	204.98	0.997
5	20	3	213.682	3.171	351.013	169.73	0.973
5	20	5	82.590	5.446	90.018	278.97	0.684
5	20	7	374.600	3.331	507.786	231.37	0.993
5	20	9	506.724	4.185	780.852	104.41	0.996
5	20	11	130.039	3.837	145.788	238.98	0.940
5	20	13	91.121	5.828	112.693	285.36	0.806
5	20	15	105.446	5.230	104.520	167.11	0.915
5	20	17	131.003	4.230	213.338	213.83	0.833
5	20	19	150.655	4.217	219.932	181.22	0.947
5	20	21	187.092	6.166	338.348	27.16	0.962
5	20	23	274.856	5.202	399.687	326.46	0.988
5	20	25	171.394	5.356	208.624	93.91	0.982
5	20	27	52.905	12.816	27.494	347.16	0.392
5	20	29	154.580	7.134	226.440	191.53	0.970
5	20	31	79.662	10.557	94.805	226.40	0.902
5	20	33	80.808	17.779	82.454	222.88	0.884
5	20	35	84.749	18.200	103.670	329.62	0.667
5	21	0	668.944	7.977	934.994	0.00	1.000
5	21	2	323.135	3.148	397.442	338.25	0.992
5	21	4	216.858	2.945	327.647	1.26	0.976
5	21	6	496.766	4.399	674.365	323.94	0.996

5	21	8	156.372	4.373	240.614	109.89	0.950
5	21	10	60.314	8.163	8.446	315.90	0.781
5	21	12	157.738	3.633	200.406	81.74	0.719
5	21	14	506.852	4.460	706.569	201.17	0.996
5	21	16	110.057	6.358	150.786	108.80	0.679
5	21	18	211.664	3.915	382.041	224.69	0.945
5	21	20	230.596	3.904	326.055	124.99	0.985
5	21	22	60.219	13.297	32.444	271.90	0.469
5	21	24	73.899	11.632	90.114	130.01	0.799
5	21	26	127.479	7.195	139.114	130.57	0.968
5	21	28	78.348	11.905	93.495	241.68	0.864
5	21	30	125.525	6.706	169.392	348.80	0.964
5	21	32	48.966	13.605	21.224	321.48	0.338
5	21	34	56.752	23.851	26.251	127.43	0.757
5	22	1	197.796	3.332	228.560	60.69	0.982
5	22	3	421.382	3.916	600.595	306.36	0.994
5	22	5	447.178	4.264	619.980	2.04	0.995
5	22	7	281.372	3.355	312.298	307.92	0.991
5	22	9	139.535	4.527	247.756	263.64	0.872
5	22	11	676.733	5.675	993.071	283.21	0.998
5	22	13	158.814	4.346	170.025	140.37	0.967
5	22	15	87.336	7.430	72.443	341.54	0.859
5	22	17	178.221	4.690	277.155	31.79	0.955
5	22	19	279.274	4.069	370.344	50.54	0.990
5	22	21	284.754	4.977	358.943	301.65	0.991
5	22	23	65.362	11.912	45.722	27.73	0.884
5	22	25	119.904	11.992	149.510	303.21	0.956
5	22	27	55.994	14.257	6.697	315.00	0.880
5	22	29	82.896	10.927	86.127	314.08	0.932
5	22	31	42.818	12.444	21.474	53.41	0.816
5	22	33	52.080	14.645	36.796	48.49	0.836
5	23	0	359.393	4.896	502.184	180.00	1.000
5	23	2	429.536	4.065	646.343	151.47	0.994
5	23	4	198.324	3.509	334.591	167.34	0.965
5	23	6	474.740	4.250	716.417	324.72	0.995
5	23	8	166.154	5.450	277.168	286.84	0.943
5	23	10	382.261	3.596	603.520	353.09	0.991
5	23	12	188.044	4.106	297.065	255.22	0.960
5	23	14	107.566	6.031	123.888	90.23	0.886
5	23	16	97.558	7.728	150.545	167.98	0.779
5	23	18	61.583	13.807	38.541	19.79	0.743
5	23	20	209.722	4.378	302.024	304.63	0.986
5	23	22	77.218	11.705	65.855	296.12	0.912
5	23	24	63.121	13.007	51.712	13.14	0.839
5	23	26	46.448	13.614	17.534	251.37	0.563
5	23	28	128.394	7.255	204.057	229.70	0.956
5	23	30	48.939	14.756	31.764	359.68	0.457
5	23	32	52.853	14.052	49.973	170.19	0.758
5	24	1	145.341	4.011	225.793	315.24	0.936
5	24	3	324.771	4.093	433.993	99.00	0.990
5	24	5	272.984	3.357	374.570	135.04	0.988
5	24	7	137.999	6.325	200.911	191.66	0.939
5	24	9	165.970	4.504	246.611	164.23	0.953
5	24	11	97.214	8.487	103.457	31.50	0.872
5	24	13	129.348	5.408	199.175	114.61	0.926
5	24	15	64.229	12.741	11.157	124.59	0.870
5	24	17	114.590	7.922	193.891	284.00	0.817
5	24	19	47.141	12.335	18.523	147.97	0.749
5	24	21	42.858	13.151	11.603	272.05	0.481
5	24	23	131.845	7.816	175.002	340.05	0.966
5	24	25	174.920	5.953	275.403	359.30	0.976
5	24	27	54.057	14.508	33.400	293.25	0.434
5	24	29	94.666	14.108	87.198	260.66	0.966
5	24	31	51.712	22.563	19.444	168.79	0.767
5	25	0	32.333	14.886	9.423	0.00	0.210
5	25	2	163.251	4.675	128.697	162.61	0.971
5	25	4	178.720	3.972	266.624	29.00	0.961
5	25	6	41.875	11.297	4.764	168.93	0.159
5	25	8	65.237	11.422	47.560	193.19	0.813
5	25	10	239.740	4.586	445.320	40.29	0.979
5	25	12	73.215	10.656	78.600	4.63	0.792
5	25	14	232.251	4.586	294.050	195.62	0.987
5	25	16	137.586	6.673	226.678	285.54	0.958
5	25	18	124.992	8.056	136.543	184.68	0.968
5	25	20	99.713	11.111	132.110	269.09	0.932
5	25	22	125.932	7.299	195.516	226.61	0.951
5	25	24	46.125	11.390	25.225	269.19	0.619

5	25	26	55.963	14.170	27.164	306.32	0.841
5	25	28	59.235	16.167	59.952	170.35	0.845
5	25	30	94.204	30.505	80.247	81.24	0.867
5	26	1	142.481	5.964	188.832	140.82	0.966
5	26	3	238.409	4.332	281.171	168.84	0.989
5	26	5	80.620	7.818	95.882	188.05	0.826
5	26	7	277.666	6.384	388.110	307.84	0.991
5	26	9	79.048	12.060	65.511	99.37	0.887
5	26	11	238.267	3.998	286.582	142.26	0.989
5	26	13	69.357	11.870	88.175	179.88	0.820
5	26	15	53.994	12.567	41.457	245.48	0.720
5	26	17	121.864	8.549	209.409	286.80	0.933
5	26	19	57.564	13.382	42.306	252.02	0.815
5	26	21	35.533	10.876	0.259	204.97	0.282
5	26	23	83.244	12.268	94.956	206.76	0.923
5	26	25	118.789	10.519	123.383	316.36	0.966
5	26	27	99.074	10.843	121.596	158.34	0.963
5	26	29	93.846	30.324	77.917	10.67	0.875
5	27	0	269.326	6.575	375.404	0.00	1.000
5	27	2	236.113	4.680	367.420	93.85	0.984
5	27	4	71.347	10.722	74.380	91.17	0.803
5	27	6	103.252	6.120	102.188	122.52	0.939
5	27	8	338.667	4.095	369.157	195.12	0.996
5	27	10	157.674	6.350	253.456	180.02	0.972
5	27	12	98.342	10.778	119.524	33.01	0.939
5	27	14	41.432	12.038	4.029	319.02	0.632
5	27	16	169.581	5.024	257.613	13.39	0.977
5	27	18	49.724	13.968	8.389	16.73	0.127
5	27	20	49.861	13.521	21.587	284.57	0.803
5	27	22	117.714	9.914	155.275	76.20	0.960
5	27	24	118.728	14.905	161.662	322.20	0.970
5	27	26	91.229	20.241	122.239	277.96	0.897
5	28	1	138.195	6.756	134.940	25.79	0.978
5	28	3	185.382	4.902	238.700	58.97	0.985
5	28	5	228.151	4.693	305.181	339.35	0.990
5	28	7	142.699	6.149	170.505	359.16	0.977
5	28	9	163.306	5.624	282.245	148.70	0.970
5	28	11	78.359	11.588	58.627	332.79	0.932
5	28	13	104.987	7.213	157.103	345.62	0.938
5	28	15	51.584	11.041	3.793	252.45	0.869
5	28	17	136.333	6.614	144.540	148.25	0.975
5	28	19	83.074	8.819	117.380	215.27	0.903
5	28	21	79.801	15.474	83.155	158.09	0.904
5	28	23	54.872	15.716	43.728	326.34	0.875
5	28	25	47.358	14.976	29.512	13.33	0.817
5	29	0	29.876	14.652	39.025	0.00	0.952
5	29	2	36.925	11.793	0.906	132.07	0.331
5	29	4	150.531	4.983	210.408	349.43	0.975
5	29	6	87.240	11.419	105.775	330.14	0.919
5	29	8	40.107	11.537	6.873	17.23	0.491
5	29	10	96.775	9.511	148.385	351.70	0.913
5	29	12	159.612	7.427	264.121	305.61	0.971
5	29	14	65.612	13.317	59.231	182.82	0.843
5	29	16	129.260	5.234	170.719	38.55	0.971
5	29	18	134.640	8.793	207.700	82.87	0.964
5	29	20	40.143	12.523	21.958	142.82	0.443
5	29	22	137.310	9.085	199.162	103.67	0.979
5	29	24	78.518	23.519	82.867	342.52	0.774
5	30	1	172.673	5.580	273.364	301.67	0.978
5	30	3	47.102	11.562	23.944	117.02	0.666
5	30	5	39.776	11.024	11.967	342.41	0.449
5	30	7	52.723	11.705	33.152	342.23	0.784
5	30	9	66.577	14.425	72.738	304.60	0.790
5	30	11	217.599	9.486	312.920	239.99	0.989
5	30	13	76.524	16.097	90.702	338.44	0.870
5	30	15	89.601	11.743	114.195	55.84	0.925
5	30	17	59.123	13.762	72.386	217.26	0.738
5	30	19	37.355	12.592	18.000	0.87	0.683
5	30	21	107.978	26.899	101.631	139.51	0.941
5	31	0	53.827	16.679	64.093	0.00	0.880
5	31	2	83.445	11.197	121.059	189.20	0.902
5	31	4	59.688	11.178	59.497	226.32	0.822
5	31	6	107.438	8.560	161.008	334.29	0.947
5	31	8	59.735	13.050	53.605	52.79	0.837
5	31	10	49.863	11.744	6.227	218.21	0.865
5	31	12	43.542	13.660	13.846	214.32	0.718
5	31	14	72.917	17.993	63.164	159.49	0.935

5	31	16	38.799	11.657	18.742	73.12	0.742
5	31	18	52.455	12.559	54.753	39.11	0.619
5	31	20	84.312	19.492	107.027	267.81	0.877
5	32	1	51.255	13.787	42.787	48.00	0.685
5	32	3	59.994	13.319	50.343	198.71	0.846
5	32	5	175.677	5.635	244.198	130.00	0.985
5	32	7	89.908	11.140	133.154	110.62	0.913
5	32	9	130.799	9.582	204.069	100.12	0.977
5	32	11	84.602	12.859	72.560	201.96	0.962
5	32	13	58.162	14.619	47.484	26.00	0.454
5	32	15	48.848	20.900	12.403	41.14	0.801
5	32	17	83.663	26.042	75.578	68.14	0.710
5	33	0	24.013	17.340	3.056	0.00	0.105
5	33	2	35.988	11.384	15.267	347.64	0.362
5	33	4	48.796	13.060	50.759	179.22	0.745
5	33	6	51.301	15.732	11.816	21.74	0.899
5	33	8	46.326	14.217	9.533	103.21	0.878
5	33	10	52.367	12.924	45.852	347.21	0.862
5	33	12	76.729	20.169	82.021	210.14	0.890
5	33	14	41.703	18.651	12.637	7.18	0.485
5	34	1	59.185	19.902	44.845	267.98	0.838
5	34	3	46.411	13.719	41.230	114.36	0.692
5	34	5	48.461	14.189	36.774	291.72	0.487
5	34	7	51.507	20.526	29.384	253.75	0.704
5	34	9	43.319	19.131	10.646	104.88	0.609
6	0	2	490.965	5.480	690.016	180.00	1.000
6	0	4	966.662	14.501	1357.238	180.00	1.000
6	0	8	84.597	3.448	49.876	0.00	0.421
6	0	10	251.067	4.145	350.837	180.00	1.000
6	0	12	1140.518	13.968	1587.842	180.00	1.000
6	0	14	301.423	3.781	418.566	0.00	1.000
6	0	16	92.379	5.029	125.958	180.00	0.986
6	0	18	61.167	8.135	73.459	180.00	0.875
6	0	20	404.559	4.846	554.294	0.00	1.000
6	0	22	146.373	4.125	199.473	0.00	1.000
6	0	24	421.056	5.155	570.333	0.00	1.000
6	0	26	22.955	10.607	2.695	0.00	0.088
6	0	28	293.915	4.713	392.817	0.00	1.000
6	0	30	94.879	9.374	124.783	180.00	0.993
6	0	32	149.569	6.787	196.656	0.00	1.000
6	0	34	28.931	13.872	16.769	0.00	0.446
6	0	36	48.472	18.149	57.451	180.00	0.929
6	0	38	220.726	9.196	281.414	0.00	1.000
6	0	40	74.576	20.604	68.288	180.00	0.749
6	0	42	49.785	21.361	53.175	0.00	0.906
6	1	1	518.544	5.434	719.430	94.89	0.982
6	1	3	286.381	2.494	410.186	49.76	0.982
6	1	5	226.562	1.931	204.553	345.53	0.618
6	1	7	69.041	2.087	67.396	10.87	0.742
6	1	9	592.318	5.166	831.068	117.93	0.996
6	1	11	66.865	2.389	51.910	278.96	0.977
6	1	13	285.393	2.616	388.391	250.64	0.986
6	1	15	637.366	5.596	888.073	99.66	0.997
6	1	17	505.753	4.901	780.744	117.30	0.995
6	1	19	324.748	3.197	488.749	76.93	0.988
6	1	21	319.741	3.214	419.204	79.54	0.992
6	1	23	484.853	4.552	648.567	8.97	0.995
6	1	25	65.771	8.240	43.579	68.51	0.685
6	1	27	309.565	3.539	424.388	58.34	0.990
6	1	29	297.547	3.542	332.765	97.28	0.991
6	1	31	114.296	5.588	124.706	76.40	0.529
6	1	33	161.387	5.389	223.019	7.59	0.959
6	1	35	160.523	6.227	227.221	132.34	0.960
6	1	37	64.060	13.193	43.302	245.39	0.837
6	1	39	111.516	7.600	144.819	69.85	0.942
6	1	41	39.250	11.590	7.001	76.45	0.450
6	1	43	50.054	17.093	16.541	169.91	0.836
6	2	0	273.734	4.557	382.772	180.00	0.994
6	2	2	627.878	5.703	941.809	38.94	0.984
6	2	4	1012.782	15.066	1439.382	333.89	0.994
6	2	6	704.505	5.545	1038.986	104.73	0.988
6	2	8	857.440	7.040	1198.921	47.34	0.998
6	2	10	780.020	6.462	1143.474	60.17	0.998
6	2	12	761.893	6.180	1052.954	119.59	0.998
6	2	14	532.908	4.736	724.560	96.78	0.995
6	2	16	160.661	2.266	228.753	246.19	0.961
6	2	18	42.746	7.266	14.224	283.77	0.380

6	2	20	115.041	3.324	150.009	127.48	0.891
6	2	22	472.990	3.992	655.929	340.86	0.994
6	2	24	568.161	4.696	809.505	107.23	0.997
6	2	26	245.979	3.002	352.639	272.15	0.981
6	2	28	504.197	4.516	693.991	1.76	0.996
6	2	30	455.330	4.150	614.935	58.64	0.995
6	2	32	202.061	4.176	229.230	217.33	0.972
6	2	34	198.244	5.069	206.058	36.27	0.982
6	2	36	226.016	4.552	245.017	212.56	0.989
6	2	38	100.999	10.092	128.870	215.49	0.917
6	2	40	95.431	9.830	142.360	164.61	0.768
6	2	42	56.999	14.106	56.425	261.65	0.780
6	3	1	81.838	1.730	89.983	145.89	0.826
6	3	3	1214.733	12.310	1712.044	72.77	0.996
6	3	5	865.634	8.642	1237.784	222.91	0.993
6	3	7	236.610	2.253	314.582	112.89	0.944
6	3	9	1005.724	8.098	1396.629	78.00	0.999
6	3	11	265.392	2.440	359.938	35.97	0.986
6	3	13	282.765	2.841	383.242	46.12	0.985
6	3	15	189.775	2.310	218.429	346.14	0.982
6	3	17	253.003	2.670	312.980	352.62	0.984
6	3	19	99.391	3.577	127.651	116.91	0.846
6	3	21	361.863	3.221	485.221	158.60	0.990
6	3	23	516.776	4.484	760.971	127.28	0.995
6	3	25	240.653	2.969	246.633	60.64	0.987
6	3	27	116.135	4.305	137.010	172.38	0.944
6	3	29	289.840	3.329	397.569	302.95	0.988
6	3	31	367.752	3.720	430.485	274.89	0.992
6	3	33	115.139	6.880	158.714	270.71	0.746
6	3	35	74.789	11.112	49.797	156.38	0.886
6	3	37	150.109	6.490	223.019	121.68	0.962
6	3	39	86.804	9.809	104.114	56.89	0.883
6	3	41	55.811	14.117	39.210	240.25	0.654
6	3	43	56.385	16.837	44.630	1.96	0.601
6	4	0	229.499	2.826	321.159	180.00	0.995
6	4	2	443.403	3.698	598.747	270.63	0.978
6	4	4	312.153	2.798	443.773	180.10	0.959
6	4	6	428.558	3.641	643.581	232.66	0.965
6	4	8	177.261	1.909	263.123	27.95	0.959
6	4	10	209.691	2.124	262.463	274.87	0.985
6	4	12	260.047	2.471	327.912	64.34	0.984
6	4	14	81.583	3.103	77.375	309.95	0.727
6	4	16	497.100	4.445	773.534	310.36	0.994
6	4	18	136.606	2.797	127.292	244.27	0.965
6	4	20	548.372	4.431	813.778	148.98	0.995
6	4	22	144.482	2.806	178.037	266.20	0.956
6	4	24	153.057	3.178	219.229	224.89	0.951
6	4	26	212.902	3.055	291.325	265.47	0.977
6	4	28	99.300	6.208	112.298	46.81	0.879
6	4	30	348.963	3.516	487.898	239.88	0.990
6	4	32	68.478	11.062	34.788	283.98	0.619
6	4	34	100.463	7.538	88.135	68.66	0.928
6	4	36	121.931	6.892	176.488	266.78	0.944
6	4	38	68.290	11.708	67.489	267.75	0.818
6	4	40	78.176	12.454	94.323	56.32	0.834
6	4	42	38.475	12.561	11.222	278.63	0.343
6	5	1	816.976	10.906	1165.364	111.73	0.992
6	5	3	573.394	4.845	863.959	202.12	0.981
6	5	5	884.836	10.923	1315.009	213.39	0.992
6	5	7	227.156	2.052	342.628	268.71	0.982
6	5	9	151.354	1.928	222.903	131.81	0.987
6	5	11	524.067	4.980	701.026	257.99	0.995
6	5	13	355.381	3.094	504.145	322.90	0.989
6	5	15	221.064	2.452	311.101	173.28	0.979
6	5	17	360.169	3.459	480.580	19.51	0.992
6	5	19	156.255	3.084	170.832	154.87	0.959
6	5	21	166.747	3.041	229.346	112.32	0.972
6	5	23	231.346	2.806	291.552	240.80	0.978
6	5	25	195.099	2.867	212.071	323.98	0.979
6	5	27	563.425	4.801	703.202	67.66	0.997
6	5	29	37.654	9.888	2.212	165.64	0.189
6	5	31	228.909	3.696	428.605	245.15	0.953
6	5	33	180.669	4.435	233.845	175.20	0.974
6	5	35	309.446	4.022	413.076	267.10	0.993
6	5	37	43.194	12.356	17.371	287.41	0.766
6	5	39	49.893	12.990	15.269	354.98	0.251
6	5	41	105.355	10.872	143.685	338.59	0.921

6	5	43	86.704	29.939	27.125	343.72	0.253
6	6	0	53.533	4.048	20.933	0.00	0.279
6	6	2	436.203	3.616	617.586	72.97	0.980
6	6	4	292.452	2.672	367.308	235.13	0.990
6	6	6	900.431	7.878	1289.555	231.29	0.998
6	6	8	673.489	5.675	975.171	227.75	0.997
6	6	10	262.441	2.453	329.669	286.66	0.990
6	6	12	190.157	2.385	285.889	281.97	0.946
6	6	14	137.163	2.377	171.165	103.72	0.980
6	6	16	165.894	2.751	197.158	339.38	0.973
6	6	18	65.192	4.963	43.077	185.64	0.664
6	6	20	25.768	7.059	81.576	70.82	0.723
6	6	22	273.669	2.854	409.999	232.58	0.983
6	6	24	347.873	3.469	531.452	188.50	0.990
6	6	26	452.072	4.345	575.965	119.90	0.995
6	6	28	119.051	4.520	144.039	196.25	0.939
6	6	30	152.653	4.152	188.023	47.30	0.949
6	6	32	348.454	3.957	432.241	204.63	0.994
6	6	34	228.728	3.818	331.910	208.17	0.981
6	6	36	62.731	11.449	47.499	245.24	0.480
6	6	38	37.363	11.216	4.576	50.55	0.188
6	6	40	86.923	8.612	118.669	274.67	0.736
6	6	42	43.277	14.326	1.197	19.36	0.842
6	7	1	448.383	3.800	568.133	288.84	0.994
6	7	3	244.067	2.484	328.885	41.64	0.980
6	7	5	910.153	7.375	1344.597	357.01	0.998
6	7	7	358.422	3.446	367.296	179.23	0.992
6	7	9	498.692	4.798	720.895	251.39	0.994
6	7	11	94.233	2.171	91.453	231.28	0.903
6	7	13	224.104	2.608	274.905	298.15	0.978
6	7	15	178.939	2.324	291.322	273.83	0.980
6	7	17	205.906	2.441	236.786	248.97	0.981
6	7	19	185.741	2.937	349.810	19.74	0.870
6	7	21	465.771	3.987	613.494	281.64	0.994
6	7	23	299.960	2.947	410.404	318.71	0.989
6	7	25	266.109	2.990	372.350	164.80	0.985
6	7	27	70.291	7.710	74.890	141.06	0.804
6	7	29	176.955	3.988	237.618	305.90	0.963
6	7	31	94.172	7.422	70.489	267.81	0.871
6	7	33	179.023	5.187	224.280	300.21	0.975
6	7	35	191.871	4.663	240.060	2.90	0.984
6	7	37	27.528	9.190	20.001	28.65	0.327
6	7	39	70.685	12.429	69.494	127.90	0.854
6	7	41	40.195	12.507	16.112	258.85	0.720
6	7	43	54.457	25.259	11.186	343.98	0.721
6	8	0	244.557	4.809	343.775	180.00	1.000
6	8	2	523.736	4.854	792.849	94.38	0.995
6	8	4	590.366	5.321	836.468	216.69	0.996
6	8	6	516.686	4.634	703.005	136.60	0.995
6	8	8	180.693	2.010	245.192	291.81	0.990
6	8	10	219.120	2.234	312.273	67.14	0.990
6	8	12	190.906	2.290	292.215	294.88	0.960
6	8	14	153.244	2.468	196.382	10.28	0.966
6	8	16	23.698	7.325	31.621	71.27	0.498
6	8	18	258.623	2.715	323.159	82.59	0.983
6	8	20	480.356	4.269	664.120	44.80	0.994
6	8	22	288.375	3.238	392.894	304.60	0.990
6	8	24	99.423	4.353	97.419	327.78	0.884
6	8	26	72.400	7.136	16.818	316.93	0.216
6	8	28	147.477	4.026	213.021	215.82	0.952
6	8	30	306.677	3.676	396.884	359.54	0.987
6	8	32	199.687	4.855	258.051	128.16	0.979
6	8	34	115.295	7.123	159.500	149.43	0.943
6	8	36	209.359	4.023	257.294	344.20	0.986
6	8	38	94.072	7.978	104.026	86.04	0.922
6	8	40	70.723	12.573	81.784	301.41	0.817
6	8	42	60.736	27.299	19.676	39.35	0.733
6	9	1	299.194	3.101	394.143	301.38	0.984
6	9	3	159.175	1.844	226.385	24.01	0.967
6	9	5	966.987	7.809	1393.278	275.67	0.998
6	9	7	97.728	2.428	91.502	141.16	0.820
6	9	9	232.072	2.483	364.474	19.11	0.967
6	9	11	206.148	2.349	317.518	235.14	0.973
6	9	13	363.518	3.190	501.567	46.02	0.992
6	9	15	233.465	2.554	243.591	70.26	0.988
6	9	17	370.580	3.264	514.752	208.13	0.990
6	9	19	474.852	4.179	697.769	72.16	0.994

6	9	21	248.298	2.783	338.005	292.16	0.985
6	9	23	534.357	4.927	687.186	246.80	0.997
6	9	25	568.609	4.795	799.867	32.30	0.997
6	9	27	183.578	3.385	201.040	76.29	0.975
6	9	29	238.645	3.458	336.087	336.93	0.977
6	9	31	172.545	4.380	273.488	69.62	0.961
6	9	33	143.137	8.637	168.477	189.66	0.960
6	9	35	92.966	12.523	115.913	261.07	0.905
6	9	37	56.727	13.755	38.326	53.61	0.704
6	9	39	70.174	12.227	65.603	91.18	0.872
6	9	41	46.106	15.345	28.212	117.24	0.709
6	10	0	984.399	11.543	1382.480	0.00	1.000
6	10	2	518.718	5.302	667.818	358.22	0.995
6	10	4	501.866	5.571	681.661	3.91	0.995
6	10	6	131.606	1.936	196.718	17.56	0.836
6	10	8	329.315	3.425	534.764	242.12	0.987
6	10	10	263.704	2.768	357.442	347.57	0.987
6	10	12	79.489	3.385	76.732	102.71	0.570
6	10	14	221.344	2.522	339.998	39.53	0.982
6	10	16	426.612	3.668	637.792	12.70	0.992
6	10	18	211.080	2.845	269.663	169.43	0.972
6	10	20	343.640	3.405	502.397	61.53	0.989
6	10	22	183.293	2.837	258.878	285.89	0.982
6	10	24	271.194	3.010	450.539	145.79	0.980
6	10	26	383.039	3.598	522.590	130.21	0.993
6	10	28	56.600	11.275	25.018	51.44	0.453
6	10	30	140.864	5.963	187.308	29.34	0.931
6	10	32	98.244	6.814	104.175	146.23	0.909
6	10	34	228.154	4.462	314.017	228.77	0.987
6	10	36	95.795	7.176	107.233	80.19	0.532
6	10	38	36.396	11.493	6.856	33.41	0.587
6	10	40	55.154	13.592	35.315	101.34	0.892
6	10	42	47.980	23.208	5.476	77.38	0.652
6	11	1	35.054	5.629	14.777	117.75	0.355
6	11	3	211.685	2.327	271.223	338.96	0.973
6	11	5	250.908	2.559	359.448	305.21	0.978
6	11	7	366.867	3.337	623.692	46.77	0.989
6	11	9	220.883	2.466	256.033	61.09	0.982
6	11	11	117.339	2.949	161.543	21.54	0.933
6	11	13	349.981	3.198	538.502	166.85	0.990
6	11	15	238.045	2.619	286.462	327.05	0.979
6	11	17	268.089	2.812	371.655	182.55	0.982
6	11	19	113.159	3.634	152.108	314.36	0.736
6	11	21	505.319	4.619	727.191	126.93	0.996
6	11	23	327.620	3.222	477.546	287.38	0.990
6	11	25	294.915	3.169	424.712	176.09	0.987
6	11	27	515.666	4.491	646.859	144.98	0.996
6	11	29	54.074	11.117	10.058	193.37	0.320
6	11	31	384.184	4.047	542.911	175.53	0.994
6	11	33	187.628	4.727	211.688	152.39	0.984
6	11	35	94.150	7.824	114.079	79.46	0.920
6	11	37	68.562	11.945	72.711	301.58	0.720
6	11	39	61.532	11.880	31.284	25.37	0.352
6	11	41	43.065	20.547	3.679	97.38	0.463
6	12	0	117.986	5.405	139.508	180.00	0.842
6	12	2	368.730	3.369	523.380	289.70	0.994
6	12	4	476.869	3.912	656.453	336.18	0.995
6	12	6	104.735	2.395	155.077	315.98	0.812
6	12	8	271.954	2.977	367.802	95.66	0.991
6	12	10	214.963	2.701	298.129	55.64	0.989
6	12	12	461.425	4.372	663.086	215.94	0.994
6	12	14	91.083	3.332	118.804	266.05	0.867
6	12	16	553.521	4.620	739.599	274.64	0.996
6	12	18	106.795	3.707	146.713	130.97	0.798
6	12	20	351.473	3.279	452.950	80.20	0.993
6	12	22	192.130	3.202	258.468	106.09	0.982
6	12	24	185.124	3.241	293.911	292.80	0.952
6	12	26	167.087	4.042	250.281	248.19	0.955
6	12	28	507.612	4.743	704.636	313.62	0.995
6	12	30	278.580	3.865	302.841	81.27	0.991
6	12	32	124.087	6.791	195.356	153.96	0.940
6	12	34	68.155	10.650	72.256	141.46	0.804
6	12	36	41.588	12.301	3.680	167.00	0.623
6	12	38	99.597	8.895	159.872	337.82	0.860
6	12	40	40.952	12.894	9.573	248.14	0.177
6	13	1	241.292	2.412	341.503	59.54	0.980
6	13	3	105.525	3.117	150.859	279.54	0.714

6	13	5	324.258	3.231	422.708	71.18	0.990
6	13	7	197.241	2.320	268.068	188.44	0.974
6	13	9	220.464	2.648	316.476	129.29	0.975
6	13	11	88.437	4.025	103.486	304.81	0.806
6	13	13	120.718	2.870	173.319	84.10	0.902
6	13	15	135.625	3.127	132.459	279.08	0.942
6	13	17	428.940	3.876	525.996	327.81	0.994
6	13	19	215.269	2.930	286.946	144.33	0.978
6	13	21	68.584	5.742	22.992	123.40	0.837
6	13	23	39.065	9.283	14.779	75.04	0.342
6	13	25	97.032	5.475	121.435	356.25	0.848
6	13	27	139.992	5.455	185.055	305.52	0.931
6	13	29	235.995	4.755	288.900	122.55	0.986
6	13	31	91.114	8.241	115.431	48.88	0.860
6	13	33	68.936	11.205	66.512	82.46	0.842
6	13	35	39.852	11.054	4.396	350.78	0.252
6	13	37	81.977	9.498	115.836	265.91	0.813
6	13	39	45.125	13.970	21.151	301.67	0.797
6	13	41	51.799	21.694	18.763	339.55	0.487
6	14	0	303.280	4.033	425.846	0.00	1.000
6	14	2	384.589	3.427	564.222	184.78	0.992
6	14	4	243.505	2.582	344.603	124.94	0.989
6	14	6	303.962	2.922	518.905	89.05	0.984
6	14	8	361.052	3.145	489.321	113.93	0.993
6	14	10	364.457	3.509	441.383	306.43	0.993
6	14	12	279.037	2.933	531.303	8.89	0.970
6	14	14	37.821	8.613	27.307	173.04	0.219
6	14	16	238.509	2.767	340.366	106.99	0.988
6	14	18	578.528	5.513	827.599	260.71	0.997
6	14	20	248.427	2.957	382.248	243.32	0.983
6	14	22	182.031	3.517	227.832	327.40	0.978
6	14	24	312.771	3.383	461.780	309.73	0.988
6	14	26	165.411	4.199	196.690	225.98	0.960
6	14	28	372.136	3.838	517.982	79.38	0.994
6	14	30	138.533	5.145	124.329	162.48	0.966
6	14	32	81.566	9.612	67.835	126.96	0.913
6	14	34	66.725	10.602	75.596	312.09	0.830
6	14	36	39.379	11.120	3.546	156.73	0.677
6	14	38	68.921	13.549	58.488	269.88	0.924
6	14	40	40.322	19.359	1.619	100.77	0.049
6	15	1	289.580	2.725	448.529	58.95	0.984
6	15	3	301.461	4.557	372.978	227.68	0.989
6	15	5	269.723	2.790	446.933	298.19	0.979
6	15	7	69.589	3.753	51.942	178.47	0.498
6	15	9	107.485	3.259	125.507	232.38	0.895
6	15	11	179.505	2.793	224.328	215.89	0.966
6	15	13	375.325	3.622	512.176	203.09	0.991
6	15	15	201.822	2.896	343.608	266.78	0.967
6	15	17	262.949	2.959	385.098	45.10	0.985
6	15	19	458.219	4.397	676.411	34.30	0.995
6	15	21	277.288	3.038	340.127	337.56	0.989
6	15	23	426.157	4.032	593.662	255.20	0.994
6	15	25	203.129	3.424	280.698	240.38	0.971
6	15	27	241.959	4.279	309.932	28.27	0.987
6	15	29	243.255	4.492	324.468	316.85	0.986
6	15	31	63.170	10.331	42.698	207.12	0.859
6	15	33	76.064	9.017	78.106	91.08	0.877
6	15	35	194.501	4.530	369.506	144.35	0.970
6	15	37	40.691	13.016	3.801	348.80	0.441
6	15	39	53.041	15.989	42.798	106.91	0.646
6	16	0	278.037	4.012	390.223	0.00	1.000
6	16	2	135.704	3.162	159.645	154.52	0.970
6	16	4	331.090	3.371	452.761	271.73	0.991
6	16	6	217.078	2.401	349.211	289.61	0.965
6	16	8	345.017	3.085	460.867	84.85	0.992
6	16	10	160.145	2.967	247.316	259.64	0.971
6	16	12	280.589	3.121	381.831	347.17	0.988
6	16	14	306.372	3.308	465.407	114.86	0.989
6	16	16	326.539	3.198	468.205	18.69	0.990
6	16	18	360.793	3.699	524.019	86.70	0.992
6	16	20	291.667	3.499	429.642	160.66	0.986
6	16	22	197.414	3.359	239.059	132.63	0.979
6	16	24	219.815	3.269	310.617	174.51	0.974
6	16	26	105.066	8.472	144.416	181.56	0.898
6	16	28	60.913	9.825	16.776	301.51	0.486
6	16	30	104.833	8.465	152.259	22.16	0.925
6	16	32	74.001	10.680	89.094	135.22	0.779

6	16	34	46.612	12.748	7.922	112.13	0.792
6	16	36	54.018	13.456	33.574	239.98	0.736
6	16	38	58.683	16.620	54.893	164.37	0.723
6	17	1	487.138	3.843	612.250	354.33	0.995
6	17	3	89.685	4.624	115.929	195.20	0.926
6	17	5	111.883	3.830	40.984	271.80	0.951
6	17	7	284.520	3.138	381.462	99.14	0.986
6	17	9	107.070	3.195	132.305	339.64	0.939
6	17	11	309.309	3.249	417.527	18.32	0.990
6	17	13	146.155	3.885	236.536	223.38	0.911
6	17	15	543.037	5.015	806.206	89.00	0.996
6	17	17	297.276	3.582	438.482	110.21	0.988
6	17	19	149.675	4.743	199.041	73.30	0.952
6	17	21	51.807	9.982	2.305	319.52	0.593
6	17	23	62.969	10.167	38.965	126.93	0.507
6	17	25	393.357	4.204	569.140	127.06	0.994
6	17	27	303.393	4.096	404.570	84.80	0.991
6	17	29	205.443	3.892	293.301	205.06	0.985
6	17	31	49.403	11.733	13.179	44.12	0.206
6	17	33	263.255	3.892	391.508	49.36	0.990
6	17	35	40.501	11.252	6.268	35.05	0.264
6	17	37	58.651	14.641	49.831	220.61	0.869
6	18	0	49.210	12.294	50.162	180.00	0.729
6	18	2	368.863	3.444	493.241	190.32	0.991
6	18	4	345.720	3.617	484.020	251.51	0.990
6	18	6	56.719	7.777	22.211	186.26	0.408
6	18	8	546.078	4.564	660.616	187.00	0.997
6	18	10	268.486	2.908	407.892	228.64	0.986
6	18	12	708.852	6.092	1062.586	170.03	0.998
6	18	14	92.064	6.122	93.534	42.29	0.925
6	18	16	235.987	3.165	353.556	191.55	0.978
6	18	18	240.127	3.675	390.535	78.56	0.977
6	18	20	181.079	3.993	276.494	322.09	0.957
6	18	22	224.787	4.187	315.473	242.01	0.976
6	18	24	96.391	7.621	96.341	149.01	0.920
6	18	26	152.565	5.021	218.361	123.91	0.960
6	18	28	171.505	6.276	206.800	175.02	0.981
6	18	30	151.147	4.877	215.618	46.37	0.970
6	18	32	51.359	12.075	27.588	112.58	0.616
6	18	34	90.981	10.212	139.403	275.64	0.869
6	18	36	61.573	16.046	65.450	81.06	0.715
6	18	38	66.029	23.091	42.889	40.51	0.521
6	19	1	298.508	2.968	466.742	155.62	0.988
6	19	3	223.687	3.239	307.137	205.82	0.981
6	19	5	251.198	3.326	314.230	160.70	0.988
6	19	7	114.873	4.518	70.017	177.67	0.961
6	19	9	410.875	3.608	585.608	185.94	0.994
6	19	11	494.213	4.255	802.676	164.40	0.995
6	19	13	83.630	5.798	97.176	301.71	0.674
6	19	15	284.599	3.534	470.272	280.09	0.985
6	19	17	131.106	5.048	180.233	39.04	0.663
6	19	19	183.690	4.078	226.827	204.43	0.967
6	19	21	287.815	3.572	338.644	229.50	0.988
6	19	23	51.229	13.244	10.159	104.35	0.411
6	19	25	242.106	5.242	243.927	98.77	0.989
6	19	27	235.333	3.565	359.011	269.43	0.987
6	19	29	134.434	7.260	159.338	278.53	0.969
6	19	31	174.776	4.809	272.079	262.44	0.975
6	19	33	58.045	14.358	25.034	241.77	0.268
6	19	35	51.657	15.529	40.292	274.17	0.810
6	19	37	69.719	26.305	37.748	175.86	0.832
6	20	0	145.846	4.742	204.284	0.00	0.999
6	20	2	62.793	6.281	32.302	264.73	0.802
6	20	4	266.082	3.160	403.996	0.38	0.984
6	20	6	73.301	8.982	54.462	191.80	0.811
6	20	8	450.202	4.179	690.511	164.88	0.995
6	20	10	222.992	3.155	346.921	258.39	0.978
6	20	12	293.616	3.105	485.300	92.98	0.985
6	20	14	94.769	5.243	104.707	174.26	0.921
6	20	16	376.685	3.818	569.489	355.03	0.991
6	20	18	139.753	4.429	219.406	277.95	0.889
6	20	20	200.049	4.132	292.892	229.22	0.969
6	20	22	229.738	3.765	349.130	227.92	0.982
6	20	24	296.974	5.224	440.604	32.72	0.993
6	20	26	75.143	13.792	54.462	257.76	0.911
6	20	28	198.350	4.183	265.083	338.99	0.985
6	20	30	138.198	6.170	191.593	247.17	0.964

6	20	32	54.091	11.998	43.723	28.80	0.752
6	20	34	34.471	11.507	11.892	54.03	0.513
6	20	36	53.234	23.640	10.891	158.33	0.245
6	21	1	329.298	3.219	466.355	128.56	0.991
6	21	3	207.639	3.785	243.927	180.42	0.981
6	21	5	391.880	3.748	600.017	20.61	0.993
6	21	7	218.529	3.337	344.100	195.12	0.974
6	21	9	110.547	4.802	135.259	179.08	0.946
6	21	11	248.196	3.075	406.266	46.79	0.980
6	21	13	251.603	3.281	366.597	58.88	0.982
6	21	15	306.317	3.361	479.589	272.33	0.987
6	21	17	218.015	5.844	259.418	324.09	0.980
6	21	19	59.106	11.112	43.385	159.94	0.720
6	21	21	154.488	4.657	204.462	8.01	0.967
6	21	23	155.743	7.975	133.879	276.46	0.982
6	21	25	119.002	7.409	100.127	37.28	0.969
6	21	27	51.566	12.834	27.887	207.23	0.801
6	21	29	38.516	11.038	4.076	13.20	0.408
6	21	31	85.729	10.476	125.136	132.04	0.869
6	21	33	41.925	13.567	21.592	332.13	0.649
6	21	35	59.645	23.155	38.548	54.64	0.620
6	22	0	202.671	4.423	283.919	0.00	1.000
6	22	2	129.209	4.903	183.886	108.25	0.937
6	22	4	297.952	3.212	350.771	37.43	0.991
6	22	6	269.591	3.823	311.393	81.48	0.989
6	22	8	232.600	3.257	325.234	252.31	0.982
6	22	10	191.765	3.346	212.903	330.23	0.976
6	22	12	118.878	4.542	92.574	25.96	0.941
6	22	14	64.340	9.388	5.204	258.98	0.805
6	22	16	111.042	6.092	121.338	4.07	0.912
6	22	18	240.892	4.626	370.108	322.13	0.984
6	22	20	206.019	3.965	275.022	239.01	0.982
6	22	22	89.086	8.847	123.208	40.89	0.647
6	22	24	110.703	8.302	120.922	9.11	0.956
6	22	26	110.792	7.354	122.946	215.23	0.955
6	22	28	70.422	15.555	81.201	248.44	0.793
6	22	30	65.895	13.194	52.917	163.38	0.873
6	22	32	38.814	12.388	10.154	229.70	0.769
6	22	34	53.122	22.972	18.572	12.31	0.692
6	23	1	475.294	4.074	716.552	2.70	0.995
6	23	3	252.340	3.894	350.080	357.24	0.985
6	23	5	129.958	4.936	170.049	285.10	0.937
6	23	7	280.493	3.934	358.266	209.69	0.988
6	23	9	230.058	3.350	305.435	322.16	0.982
6	23	11	291.626	3.669	438.755	247.99	0.986
6	23	13	63.935	10.416	18.937	351.41	0.288
6	23	15	84.064	7.753	92.130	336.98	0.898
6	23	17	274.724	4.076	385.606	72.04	0.990
6	23	19	228.151	4.403	311.716	345.99	0.989
6	23	21	35.793	10.850	64.658	20.51	0.802
6	23	23	109.815	6.578	107.732	318.66	0.964
6	23	25	55.441	11.160	35.260	114.84	0.799
6	23	27	115.002	8.492	209.843	24.05	0.870
6	23	29	35.901	11.845	16.399	139.83	0.680
6	23	31	108.303	12.594	148.119	25.27	0.961
6	23	33	64.783	23.956	41.311	241.80	0.836
6	24	0	108.765	8.244	60.870	0.00	0.400
6	24	2	81.967	6.183	82.657	206.21	0.822
6	24	4	192.001	3.546	259.150	3.39	0.971
6	24	6	40.089	11.743	54.230	310.60	0.626
6	24	8	230.749	5.084	332.094	191.93	0.978
6	24	10	358.093	3.861	485.119	291.55	0.992
6	24	12	238.147	3.844	358.544	19.54	0.985
6	24	14	80.101	8.725	94.924	117.43	0.846
6	24	16	310.053	3.731	412.869	7.03	0.992
6	24	18	188.929	4.047	237.462	42.43	0.986
6	24	20	49.357	12.917	0.743	341.45	0.831
6	24	22	78.206	9.525	111.670	134.75	0.773
6	24	24	121.715	6.677	105.592	48.40	0.970
6	24	26	228.726	4.478	347.047	277.09	0.989
6	24	28	88.893	14.576	138.737	159.54	0.915
6	24	30	46.961	14.833	15.514	322.41	0.228
6	24	32	42.720	21.009	9.990	116.24	0.699
6	25	1	364.677	3.787	520.741	43.09	0.992
6	25	3	246.629	3.993	405.103	139.45	0.975
6	25	5	247.680	3.945	447.733	356.88	0.972
6	25	7	234.352	4.222	305.976	105.54	0.987

6	25	9	195.729	4.500	321.570	330.47	0.972
6	25	11	147.431	5.754	206.716	300.16	0.960
6	25	13	56.006	12.947	7.010	230.39	0.809
6	25	15	58.108	12.146	36.612	262.76	0.856
6	25	17	173.014	5.219	293.585	180.88	0.973
6	25	19	35.540	10.589	3.278	31.61	0.306
6	25	21	102.536	7.153	128.965	249.02	0.943
6	25	23	36.626	11.702	4.563	149.47	0.220
6	25	25	176.424	5.938	366.246	351.48	0.947
6	25	27	159.322	11.763	251.224	216.59	0.980
6	25	29	73.190	14.197	73.632	273.75	0.928
6	25	31	64.631	27.445	25.653	129.86	0.583
6	26	0	254.772	5.634	356.202	0.00	1.000
6	26	2	104.612	7.831	110.337	234.77	0.938
6	26	4	391.249	4.436	581.551	297.62	0.995
6	26	6	92.321	9.653	83.363	49.40	0.923
6	26	8	340.753	5.024	417.142	167.36	0.994
6	26	10	248.882	4.643	368.488	273.89	0.987
6	26	12	198.149	4.216	365.971	248.68	0.976
6	26	14	96.124	6.144	164.012	272.18	0.878
6	26	16	45.114	10.942	14.656	111.51	0.644
6	26	18	131.317	5.557	176.475	180.54	0.966
6	26	20	180.914	5.155	245.650	258.48	0.983
6	26	22	74.788	11.609	90.842	61.76	0.884
6	26	24	174.963	8.047	256.103	13.90	0.981
6	26	26	151.079	7.878	211.328	347.63	0.984
6	26	28	42.697	14.084	17.570	207.95	0.803
6	26	30	92.954	30.292	66.504	38.87	0.768
6	27	1	52.115	11.794	29.705	121.66	0.602
6	27	3	137.132	6.180	180.629	217.12	0.963
6	27	5	102.650	7.358	157.044	262.63	0.931
6	27	7	263.908	3.955	355.128	44.78	0.993
6	27	9	159.072	5.313	268.644	214.59	0.969
6	27	11	190.987	5.607	276.270	179.42	0.984
6	27	13	122.139	5.547	232.779	16.84	0.907
6	27	15	109.227	5.415	112.439	52.67	0.966
6	27	17	34.541	10.548	6.804	207.64	0.454
6	27	19	140.771	5.186	230.005	81.79	0.967
6	27	21	86.510	11.905	95.459	210.20	0.932
6	27	23	39.781	12.900	24.897	299.68	0.542
6	27	25	71.968	22.729	66.930	346.25	0.871
6	27	27	53.850	14.236	21.199	267.53	0.298
6	28	0	110.450	8.175	153.900	180.00	1.000
6	28	2	87.451	8.758	91.162	230.81	0.934
6	28	4	31.907	9.999	13.425	330.27	0.424
6	28	6	225.133	5.458	341.144	60.44	0.988
6	28	8	132.331	7.128	132.187	122.68	0.975
6	28	10	61.429	13.340	57.061	255.80	0.819
6	28	12	164.879	6.081	251.181	154.05	0.977
6	28	14	43.195	11.638	7.773	166.13	0.126
6	28	16	163.548	4.508	242.157	134.05	0.977
6	28	18	132.547	5.517	191.964	38.86	0.969
6	28	20	105.879	11.970	156.297	230.64	0.935
6	28	22	64.255	13.144	35.727	61.15	0.938
6	28	24	131.507	9.878	204.512	148.89	0.974
6	28	26	63.365	24.857	35.530	22.64	0.605
6	29	1	104.273	6.392	90.095	172.08	0.963
6	29	3	58.697	11.435	62.955	14.38	0.724
6	29	5	131.426	5.492	203.580	272.70	0.962
6	29	7	58.986	11.405	46.052	162.57	0.849
6	29	9	30.676	9.724	3.498	257.08	0.304
6	29	11	115.529	7.668	155.112	134.88	0.956
6	29	13	102.013	6.607	166.724	308.70	0.933
6	29	15	73.887	11.515	105.308	306.29	0.852
6	29	17	68.787	12.460	90.036	261.62	0.775
6	29	19	53.810	13.744	58.709	310.09	0.769
6	29	21	133.588	10.377	247.468	260.95	0.945
6	29	23	44.321	14.863	20.911	163.38	0.809
6	29	25	65.585	23.686	10.339	353.85	0.150
6	30	0	26.162	12.599	7.322	0.00	0.203
6	30	2	56.376	12.489	28.562	173.61	0.307
6	30	4	91.028	7.813	99.263	239.54	0.940
6	30	6	61.817	12.082	62.935	331.99	0.784
6	30	8	125.616	6.711	216.129	66.12	0.947
6	30	10	41.070	12.859	11.003	268.40	0.533
6	30	12	51.330	13.790	31.687	34.90	0.789
6	30	14	50.912	12.056	34.171	163.96	0.601

6	30	16	70.429	15.008	90.717	244.07	0.905
6	30	18	47.521	13.861	35.157	226.62	0.817
6	30	20	95.006	13.158	81.281	243.88	0.967
6	30	22	52.990	24.129	17.801	64.52	0.587
6	31	1	59.524	12.850	60.106	49.66	0.823
6	31	3	73.065	11.793	80.138	74.25	0.546
6	31	5	48.826	12.907	11.092	228.95	0.838
6	31	7	104.579	7.462	112.527	258.66	0.963
6	31	9	48.908	12.114	32.443	356.62	0.659
6	31	11	43.204	12.495	9.460	272.10	0.742
6	31	13	83.109	12.469	120.038	113.24	0.933
6	31	15	51.502	12.469	39.085	181.41	0.878
6	31	17	62.141	16.250	58.866	106.43	0.885
6	31	19	54.721	13.905	55.011	7.61	0.655
6	32	0	119.558	12.158	163.113	0.00	1.000
6	32	2	36.976	11.452	0.985	9.66	0.448
6	32	4	49.599	13.730	30.503	325.27	0.616
6	32	6	42.764	14.015	22.792	57.66	0.810
6	32	8	55.276	13.504	62.615	293.70	0.854
6	32	10	64.267	14.980	82.775	27.02	0.848
6	32	12	58.312	17.241	59.547	5.66	0.693
6	32	14	65.969	21.459	35.291	244.41	0.381
6	32	16	55.008	22.036	33.827	64.29	0.583
6	32	18	53.562	20.834	28.113	322.18	0.644
6	33	1	62.732	16.420	73.415	212.57	0.864
6	33	3	52.146	13.337	39.763	329.00	0.879
6	33	5	58.927	11.796	81.350	251.25	0.803
6	33	7	107.016	8.011	169.465	83.91	0.965
6	33	9	44.742	13.393	35.121	74.39	0.559
6	33	11	86.293	11.460	136.258	71.39	0.931
6	33	13	38.433	17.330	6.886	179.62	0.532
6	34	0	44.421	27.133	22.987	180.00	0.467
6	34	2	38.229	11.863	6.503	276.12	0.840
6	34	4	64.418	11.704	93.978	284.53	0.858
6	34	6	42.254	13.027	30.052	114.36	0.632
6	34	8	38.213	17.492	5.152	146.36	0.235
6	34	10	35.927	17.367	5.861	62.93	0.216
7	0	1	614.697	9.554	866.225	0.00	1.000
7	0	3	75.884	1.911	87.308	180.00	0.816
7	0	5	649.362	8.712	913.768	180.00	1.000
7	0	7	545.728	6.071	766.732	0.00	1.000
7	0	9	299.944	3.576	420.744	180.00	1.000
7	0	11	372.645	5.110	520.838	180.00	1.000
7	0	13	62.977	8.114	53.565	180.00	0.627
7	0	15	340.971	5.087	473.717	0.00	1.000
7	0	17	197.015	3.423	272.193	180.00	1.000
7	0	19	405.954	4.800	558.796	0.00	1.000
7	0	21	27.327	10.972	0.712	180.00	0.019
7	0	23	72.877	7.422	37.943	180.00	0.385
7	0	25	544.569	6.444	736.978	0.00	1.000
7	0	27	121.453	6.601	163.230	0.00	1.000
7	0	29	256.104	4.847	341.779	180.00	1.000
7	0	31	33.130	13.882	24.629	180.00	0.577
7	0	33	68.645	19.442	39.796	180.00	0.445
7	0	35	35.058	16.801	15.051	0.00	0.335
7	0	37	48.008	15.741	58.704	0.00	0.964
7	0	39	92.878	14.610	41.072	180.00	0.352
7	0	41	62.231	19.493	44.256	0.00	0.589
7	0	43	70.403	30.055	74.106	180.00	1.000
7	1	0	79.775	3.420	71.161	0.00	0.633
7	1	2	529.090	4.994	783.213	264.79	0.981
7	1	4	438.885	3.472	543.257	230.25	0.979
7	1	6	110.177	1.825	133.356	243.88	0.889
7	1	8	524.483	4.194	851.836	217.83	0.993
7	1	10	552.174	4.492	724.847	318.26	0.996
7	1	12	128.391	1.974	121.617	169.62	0.945
7	1	14	193.652	2.209	282.238	219.57	0.840
7	1	16	323.922	3.213	511.428	146.72	0.986
7	1	18	66.286	4.669	56.560	327.30	0.627
7	1	20	117.880	3.689	152.862	27.06	0.895
7	1	22	260.813	2.751	388.744	253.49	0.981
7	1	24	185.204	2.831	236.041	22.74	0.972
7	1	26	578.414	5.037	792.831	254.37	0.997
7	1	28	600.569	5.131	766.878	343.59	0.997
7	1	30	30.487	9.631	34.689	218.99	0.247
7	1	32	269.982	3.879	361.902	200.15	0.982
7	1	34	54.848	13.611	19.508	224.23	0.360

7	1	36	233.389	4.107	253.169	115.71	0.990
7	1	38	184.155	5.917	259.429	340.20	0.979
7	1	40	41.781	11.631	14.229	152.95	0.550
7	1	42	64.057	14.924	54.219	197.48	0.897
7	2	1	237.380	2.405	334.426	167.56	0.989
7	2	3	1065.595	9.334	1507.585	140.85	0.995
7	2	5	496.200	4.145	727.298	183.46	0.984
7	2	7	529.550	4.160	814.048	278.68	0.994
7	2	9	277.958	2.613	378.311	86.48	0.982
7	2	11	275.874	2.502	371.180	1.08	0.991
7	2	13	377.139	3.354	571.242	196.61	0.991
7	2	15	159.489	2.254	187.474	144.36	0.953
7	2	17	303.689	3.122	449.168	31.51	0.988
7	2	19	442.631	3.926	626.618	137.35	0.994
7	2	21	388.212	3.584	563.780	30.56	0.991
7	2	23	186.442	3.010	208.582	259.48	0.977
7	2	25	408.257	3.768	526.139	338.36	0.995
7	2	27	365.298	3.530	468.443	100.21	0.992
7	2	29	137.086	4.544	179.080	225.32	0.942
7	2	31	144.801	5.435	181.512	27.00	0.949
7	2	33	153.393	5.199	220.058	317.64	0.956
7	2	35	223.473	4.377	279.411	26.17	0.988
7	2	37	113.028	7.707	171.542	179.59	0.928
7	2	39	58.229	11.390	47.361	82.81	0.654
7	2	41	65.188	16.152	41.521	252.16	0.460
7	2	43	51.686	16.951	37.404	300.73	0.689
7	3	0	1294.617	27.009	1820.908	180.00	1.000
7	3	2	136.029	1.718	145.066	318.64	0.760
7	3	4	108.147	1.425	126.068	72.47	0.942
7	3	6	71.972	2.591	79.450	192.28	0.783
7	3	8	565.527	4.770	783.949	24.64	0.996
7	3	10	87.822	2.540	119.275	344.25	0.918
7	3	12	540.720	4.821	742.459	185.88	0.995
7	3	14	214.132	2.571	283.809	212.23	0.976
7	3	16	152.477	2.348	183.659	50.43	0.974
7	3	18	220.641	2.548	305.775	35.98	0.979
7	3	20	285.946	2.829	408.475	20.91	0.981
7	3	22	210.111	2.876	261.633	112.18	0.975
7	3	24	157.238	3.457	216.262	164.35	0.953
7	3	26	363.963	3.309	455.964	64.20	0.993
7	3	28	439.328	3.960	553.253	102.52	0.995
7	3	30	185.498	3.797	207.086	310.64	0.969
7	3	32	81.110	8.330	51.567	143.72	0.835
7	3	34	159.146	5.920	193.659	295.89	0.968
7	3	36	84.593	10.346	79.124	331.07	0.918
7	3	38	46.585	12.842	9.341	295.38	0.613
7	3	40	44.594	12.242	10.502	22.23	0.208
7	3	42	53.658	13.882	40.193	229.52	0.834
7	4	1	280.056	2.680	383.172	70.98	0.951
7	4	3	381.267	3.095	490.021	296.83	0.992
7	4	5	425.797	3.723	575.464	338.20	0.994
7	4	7	444.934	3.545	669.730	204.87	0.993
7	4	9	785.386	7.295	1116.625	112.86	0.998
7	4	11	31.531	6.280	6.067	215.59	0.170
7	4	13	174.135	2.266	243.067	253.42	0.956
7	4	15	115.106	2.620	135.719	166.11	0.855
7	4	17	125.894	3.103	172.445	123.43	0.954
7	4	19	198.185	2.740	253.234	17.67	0.984
7	4	21	160.642	2.968	179.255	84.04	0.957
7	4	23	276.045	2.888	369.779	191.89	0.988
7	4	25	325.696	3.136	489.968	298.96	0.988
7	4	27	215.892	3.252	325.527	218.29	0.972
7	4	29	275.090	3.150	392.236	176.53	0.986
7	4	31	231.057	3.693	294.885	295.36	0.977
7	4	33	90.909	7.727	116.955	138.12	0.778
7	4	35	55.468	11.660	8.944	81.98	0.837
7	4	37	51.465	11.942	28.787	6.48	0.694
7	4	39	41.465	11.487	15.803	283.46	0.796
7	4	41	59.161	14.233	25.305	307.52	0.843
7	4	43	66.519	24.852	41.810	199.48	0.537
7	5	0	353.005	4.613	497.469	0.00	1.000
7	5	2	101.245	1.930	153.911	172.61	0.956
7	5	4	342.396	3.042	471.913	175.42	0.989
7	5	6	602.211	5.505	812.291	177.25	0.996
7	5	8	313.766	2.915	447.527	227.00	0.987
7	5	10	427.921	4.094	586.987	353.65	0.992
7	5	12	236.914	2.637	341.689	316.29	0.978

7	5	14	238.957	2.467	355.434	279.45	0.984
7	5	16	157.185	2.773	195.447	71.55	0.972
7	5	18	464.186	4.062	677.851	235.66	0.994
7	5	20	235.835	2.725	292.397	0.87	0.978
7	5	22	226.132	3.110	309.135	104.21	0.977
7	5	24	388.653	3.554	490.710	262.35	0.994
7	5	26	231.844	2.925	297.484	127.48	0.983
7	5	28	128.419	4.159	126.997	305.36	0.951
7	5	30	159.566	4.439	186.030	302.75	0.943
7	5	32	240.184	3.984	282.070	182.72	0.987
7	5	34	58.580	12.497	28.839	19.96	0.526
7	5	36	220.348	4.445	300.038	337.18	0.986
7	5	38	37.437	11.205	3.635	267.80	0.142
7	5	40	129.481	7.143	176.126	281.59	0.961
7	5	42	51.492	15.348	41.558	234.75	0.661
7	6	1	309.262	3.733	447.548	174.11	0.988
7	6	3	650.653	5.854	939.075	321.08	0.997
7	6	5	845.146	7.066	1213.709	338.16	0.998
7	6	7	204.785	2.077	305.995	183.02	0.988
7	6	9	326.090	2.784	456.684	328.80	0.988
7	6	11	209.298	2.183	286.255	8.48	0.985
7	6	13	260.075	2.627	345.218	214.41	0.989
7	6	15	209.682	2.586	284.172	209.64	0.979
7	6	17	132.221	2.603	181.401	332.97	0.970
7	6	19	229.276	2.592	312.082	313.63	0.978
7	6	21	250.025	2.735	366.905	97.98	0.977
7	6	23	512.771	4.396	678.799	37.09	0.996
7	6	25	304.047	3.143	420.407	151.25	0.989
7	6	27	254.078	3.437	326.063	53.58	0.985
7	6	29	168.330	4.684	185.924	78.82	0.963
7	6	31	330.229	3.939	469.043	158.53	0.988
7	6	33	112.101	7.068	95.699	25.42	0.945
7	6	35	38.435	10.779	11.808	90.54	0.348
7	6	37	87.645	8.814	90.147	168.65	0.921
7	6	39	39.253	11.357	12.294	118.43	0.747
7	6	41	36.500	11.856	23.671	38.62	0.845
7	6	43	78.595	25.143	21.638	328.68	0.934
7	7	0	160.323	2.247	225.050	0.00	0.999
7	7	2	729.824	7.162	1060.898	134.00	0.997
7	7	4	630.189	5.147	855.500	23.34	0.997
7	7	6	118.215	2.147	167.036	303.61	0.960
7	7	8	136.594	1.894	158.840	235.69	0.975
7	7	10	315.614	2.750	394.164	112.21	0.987
7	7	12	345.960	3.133	483.684	227.92	0.991
7	7	14	198.353	2.358	317.326	359.15	0.966
7	7	16	71.937	4.336	33.375	13.63	0.876
7	7	18	283.456	2.807	355.538	32.48	0.988
7	7	20	349.204	3.840	427.503	296.68	0.991
7	7	22	462.258	4.070	597.190	41.53	0.996
7	7	24	68.906	6.245	41.916	156.30	0.368
7	7	26	68.717	6.554	36.625	91.84	0.849
7	7	28	334.042	3.360	454.646	22.02	0.991
7	7	30	150.003	4.425	207.252	154.86	0.942
7	7	32	149.224	6.081	232.816	31.44	0.946
7	7	34	185.801	4.024	280.674	183.16	0.978
7	7	36	112.614	6.247	141.328	8.13	0.947
7	7	38	44.827	11.438	8.268	328.91	0.363
7	7	40	45.532	13.047	15.448	118.68	0.516
7	7	42	37.147	12.635	11.617	13.79	0.615
7	8	1	432.987	4.011	570.501	3.34	0.993
7	8	3	643.832	6.012	875.463	137.41	0.997
7	8	5	383.300	3.413	540.247	136.71	0.991
7	8	7	110.035	2.478	102.227	268.73	0.931
7	8	9	335.682	2.909	466.243	110.63	0.989
7	8	11	664.445	5.669	977.158	33.58	0.997
7	8	13	247.235	2.506	330.779	351.48	0.986
7	8	15	102.808	3.432	146.325	40.36	0.804
7	8	17	326.469	2.981	439.077	235.46	0.989
7	8	19	647.594	5.469	917.245	311.29	0.997
7	8	21	173.422	2.746	221.153	128.45	0.973
7	8	23	523.934	4.429	757.620	233.01	0.996
7	8	25	407.797	4.020	518.541	7.17	0.994
7	8	27	142.735	4.283	167.401	42.31	0.957
7	8	29	208.358	3.702	267.902	296.48	0.974
7	8	31	314.173	3.724	420.377	229.66	0.992
7	8	33	374.034	4.292	537.343	219.82	0.993
7	8	35	137.767	5.405	208.951	263.74	0.956

7	8	37	173.182	4.655	261.172	304.91	0.973
7	8	39	211.871	4.858	326.113	88.17	0.984
7	8	41	40.882	13.723	18.998	32.19	0.567
7	9	0	26.130	8.247	19.121	0.00	0.625
7	9	2	650.198	6.259	897.240	24.09	0.997
7	9	4	214.092	2.337	308.418	300.97	0.964
7	9	6	216.409	2.097	353.174	51.38	0.978
7	9	8	36.938	7.487	11.650	88.89	0.364
7	9	10	166.593	2.188	248.813	96.84	0.964
7	9	12	414.083	3.504	610.042	37.33	0.994
7	9	14	219.799	2.506	282.804	309.47	0.984
7	9	16	238.348	2.628	283.659	203.16	0.983
7	9	18	434.499	3.801	666.759	135.79	0.992
7	9	20	190.466	2.637	236.304	349.47	0.976
7	9	22	303.406	3.146	424.951	214.55	0.989
7	9	24	352.753	3.408	517.460	144.82	0.991
7	9	26	511.387	4.500	705.424	226.90	0.996
7	9	28	215.737	3.256	329.603	239.62	0.970
7	9	30	230.690	3.854	286.533	97.84	0.979
7	9	32	338.019	4.102	428.158	210.64	0.993
7	9	34	156.091	6.169	206.828	99.18	0.973
7	9	36	44.472	12.454	8.907	64.96	0.754
7	9	38	108.128	7.749	149.676	39.00	0.941
7	9	40	114.173	12.418	155.151	116.95	0.964
7	9	42	49.085	23.616	12.421	186.86	0.595
7	10	1	445.163	3.648	636.679	243.02	0.993
7	10	3	105.822	2.254	66.432	49.95	0.435
7	10	5	468.271	4.569	679.823	347.70	0.993
7	10	7	109.233	2.993	148.692	248.41	0.942
7	10	9	251.676	3.193	345.535	23.72	0.983
7	10	11	235.481	2.427	350.908	145.13	0.982
7	10	13	328.465	2.938	489.426	175.17	0.989
7	10	15	303.043	2.906	387.867	277.32	0.989
7	10	17	498.315	4.306	715.748	114.34	0.995
7	10	19	556.518	4.947	737.722	20.00	0.996
7	10	21	290.190	3.066	415.955	310.56	0.988
7	10	23	532.048	4.469	743.312	154.32	0.996
7	10	25	93.949	5.613	104.272	47.45	0.601
7	10	27	147.166	4.070	187.960	245.68	0.951
7	10	29	190.882	4.062	264.358	187.25	0.962
7	10	31	188.292	4.357	304.551	80.87	0.966
7	10	33	112.465	7.961	145.010	355.26	0.949
7	10	35	147.043	5.043	220.445	50.41	0.964
7	10	37	161.457	6.206	236.978	229.12	0.970
7	10	39	134.695	6.332	175.394	207.00	0.967
7	10	41	53.155	16.470	27.168	234.53	0.851
7	11	0	157.692	2.780	221.168	0.00	1.000
7	11	2	628.445	6.943	974.062	294.54	0.997
7	11	4	210.183	2.469	306.442	56.96	0.980
7	11	6	559.306	4.827	801.344	316.81	0.996
7	11	8	195.130	2.268	262.666	342.02	0.983
7	11	10	216.335	3.114	299.609	104.05	0.978
7	11	12	168.340	2.493	251.620	146.20	0.973
7	11	14	214.714	2.671	248.019	125.04	0.981
7	11	16	191.721	2.648	183.691	64.46	0.585
7	11	18	212.563	2.793	309.540	71.42	0.965
7	11	20	128.748	3.450	208.128	343.60	0.879
7	11	22	229.920	2.847	307.533	273.48	0.982
7	11	24	415.277	3.733	571.278	99.25	0.994
7	11	26	291.580	3.574	377.706	70.11	0.987
7	11	28	257.545	3.512	285.773	22.24	0.985
7	11	30	244.922	4.296	335.551	168.09	0.986
7	11	32	327.615	3.779	475.262	247.08	0.994
7	11	34	81.452	7.993	88.830	157.78	0.897
7	11	36	82.569	10.206	80.939	336.03	0.904
7	11	38	153.869	5.240	201.493	167.74	0.976
7	11	40	41.740	12.851	0.874	17.86	0.839
7	11	42	60.832	27.121	20.019	278.89	0.656
7	12	1	111.904	2.829	157.056	8.67	0.943
7	12	3	529.129	4.802	695.442	67.77	0.996
7	12	5	182.974	2.330	211.527	282.25	0.977
7	12	7	108.258	2.936	142.618	117.14	0.891
7	12	9	378.919	3.396	591.863	341.57	0.990
7	12	11	47.282	7.632	4.327	219.03	0.392
7	12	13	292.670	2.836	436.059	326.30	0.983
7	12	15	261.606	2.906	373.834	233.12	0.983
7	12	17	264.617	2.796	390.476	278.52	0.981

7	12	19	323.728	3.274	424.696	160.53	0.991
7	12	21	179.241	3.266	294.151	270.58	0.964
7	12	23	198.691	3.176	296.731	192.66	0.968
7	12	25	211.912	3.378	246.594	136.46	0.979
7	12	27	315.530	3.477	418.612	68.23	0.989
7	12	29	60.479	10.541	10.472	353.70	0.804
7	12	31	204.763	4.266	275.868	226.64	0.979
7	12	33	196.573	5.224	263.083	119.57	0.983
7	12	35	100.123	8.338	147.935	199.09	0.891
7	12	37	63.074	12.322	45.100	154.46	0.860
7	12	39	71.254	14.295	92.399	175.94	0.857
7	12	41	56.365	25.851	13.010	123.88	0.310
7	13	0	31.760	8.847	15.888	180.00	0.396
7	13	2	575.870	4.949	851.671	169.49	0.997
7	13	4	387.208	3.523	553.842	216.07	0.993
7	13	6	282.815	2.838	426.596	175.78	0.990
7	13	8	389.615	3.244	542.866	129.89	0.993
7	13	10	200.926	2.463	271.212	236.82	0.971
7	13	12	307.153	3.795	418.824	315.60	0.990
7	13	14	401.611	3.774	575.855	217.72	0.992
7	13	16	241.973	3.096	302.875	179.39	0.986
7	13	18	344.816	3.323	467.924	163.98	0.993
7	13	20	309.603	3.333	436.634	227.08	0.989
7	13	22	447.717	4.021	634.356	296.60	0.995
7	13	24	222.785	3.497	326.835	241.64	0.975
7	13	26	221.812	3.475	291.661	12.79	0.978
7	13	28	209.672	3.855	290.692	169.89	0.980
7	13	30	67.113	9.962	43.498	161.93	0.809
7	13	32	151.894	4.769	292.443	221.32	0.930
7	13	34	72.154	11.074	66.647	345.75	0.874
7	13	36	95.784	8.132	138.754	269.79	0.910
7	13	38	40.191	12.165	5.752	336.04	0.820
7	13	40	35.365	11.997	10.177	182.87	0.554
7	14	1	194.567	2.459	298.857	182.82	0.956
7	14	3	411.848	4.003	587.584	171.47	0.993
7	14	5	369.230	4.070	489.604	240.88	0.992
7	14	7	111.529	3.190	77.541	304.77	0.939
7	14	9	308.396	2.833	464.915	136.87	0.986
7	14	11	114.044	3.466	150.186	291.40	0.913
7	14	13	164.677	3.124	207.454	232.60	0.950
7	14	15	131.285	3.185	169.410	243.93	0.962
7	14	17	675.324	6.123	952.818	162.18	0.998
7	14	19	184.722	3.217	270.382	336.04	0.967
7	14	21	436.934	4.192	619.010	123.18	0.995
7	14	23	175.435	3.684	229.659	358.25	0.968
7	14	25	165.804	3.757	269.952	273.55	0.939
7	14	27	64.868	10.209	38.883	157.62	0.835
7	14	29	165.486	4.645	239.213	231.51	0.965
7	14	31	228.333	4.146	328.073	359.88	0.987
7	14	33	61.170	10.629	19.650	112.21	0.882
7	14	35	88.054	8.203	115.873	68.00	0.913
7	14	37	69.993	12.581	72.696	29.36	0.842
7	14	39	58.651	14.952	61.513	300.30	0.766
7	15	0	38.427	11.003	21.974	0.00	0.429
7	15	2	66.699	5.162	75.196	304.46	0.748
7	15	4	446.371	4.304	618.583	240.60	0.994
7	15	6	192.910	2.513	266.518	350.77	0.986
7	15	8	519.922	4.261	774.390	51.07	0.995
7	15	10	102.409	3.170	101.831	355.17	0.927
7	15	12	579.349	4.958	814.285	348.23	0.996
7	15	14	32.567	8.794	70.917	128.64	0.554
7	15	16	273.341	3.249	300.577	304.54	0.989
7	15	18	354.367	3.707	518.419	79.89	0.991
7	15	20	176.338	3.568	251.136	173.84	0.968
7	15	22	308.248	3.591	424.968	36.17	0.989
7	15	24	69.814	8.832	42.666	66.10	0.886
7	15	26	208.340	4.266	234.994	200.09	0.985
7	15	28	202.528	4.112	385.178	340.21	0.959
7	15	30	139.784	6.096	189.751	54.38	0.967
7	15	32	100.391	8.144	146.623	48.09	0.907
7	15	34	80.261	11.934	51.657	175.83	0.923
7	15	36	50.559	12.214	17.739	40.68	0.420
7	15	38	49.710	14.718	31.750	255.04	0.506
7	15	40	59.318	26.015	12.864	189.09	0.738
7	16	1	31.629	7.161	18.241	277.61	0.297
7	16	3	268.927	2.838	456.817	313.05	0.975
7	16	5	72.841	4.913	62.253	236.12	0.637

7	16	7	99.655	3.660	136.747	21.09	0.884
7	16	9	217.907	2.614	297.651	28.57	0.974
7	16	11	253.552	2.728	385.567	358.96	0.983
7	16	13	333.379	3.142	476.673	343.52	0.991
7	16	15	252.862	3.028	277.377	20.58	0.987
7	16	17	235.296	3.245	331.699	67.56	0.981
7	16	19	383.436	3.887	533.078	325.52	0.993
7	16	21	463.239	4.214	618.168	303.07	0.995
7	16	23	48.585	11.015	17.306	129.35	0.554
7	16	25	44.035	12.388	1.755	52.92	0.416
7	16	27	252.808	3.615	302.681	176.41	0.988
7	16	29	110.974	6.396	82.665	22.37	0.966
7	16	31	28.301	9.558	12.209	161.01	0.281
7	16	33	30.859	10.200	43.613	283.77	0.628
7	16	35	127.689	6.357	222.905	117.02	0.929
7	16	37	50.229	14.933	37.426	81.82	0.565
7	16	39	42.090	19.401	3.073	97.06	0.680
7	17	0	240.415	3.705	337.929	0.00	1.000
7	17	2	38.852	7.850	46.303	74.10	0.501
7	17	4	411.205	4.077	641.148	1.50	0.992
7	17	6	148.085	2.915	200.372	127.95	0.955
7	17	8	191.038	2.896	278.722	57.07	0.975
7	17	10	180.011	2.956	249.207	293.00	0.973
7	17	12	233.314	2.781	335.196	263.82	0.985
7	17	14	367.668	3.482	590.499	180.19	0.991
7	17	16	179.719	3.788	234.368	54.00	0.971
7	17	18	286.019	3.210	439.250	307.64	0.985
7	17	20	175.364	5.210	276.166	197.85	0.927
7	17	22	123.799	5.370	113.852	97.80	0.939
7	17	24	256.607	4.235	348.344	332.99	0.988
7	17	26	48.365	11.399	1.444	316.85	0.174
7	17	28	101.781	8.016	142.912	247.25	0.922
7	17	30	120.173	5.478	121.608	283.47	0.963
7	17	32	53.599	11.471	23.521	356.95	0.338
7	17	34	45.958	12.857	14.401	313.94	0.720
7	17	36	119.799	10.203	143.877	49.70	0.975
7	17	38	44.044	13.776	27.992	31.98	0.722
7	18	1	95.704	4.005	127.084	59.84	0.803
7	18	3	185.561	2.930	198.066	287.73	0.980
7	18	5	75.314	8.690	71.493	49.35	0.859
7	18	7	48.716	8.911	12.546	244.43	0.665
7	18	9	597.648	5.001	892.891	75.45	0.997
7	18	11	183.495	3.072	306.372	154.26	0.950
7	18	13	247.243	2.951	335.412	161.73	0.986
7	18	15	297.194	3.170	406.606	295.32	0.989
7	18	17	432.554	4.090	605.100	71.82	0.995
7	18	19	101.623	6.104	129.885	134.13	0.884
7	18	21	168.570	5.236	202.416	162.96	0.964
7	18	23	333.188	3.689	443.347	75.67	0.993
7	18	25	320.836	4.126	448.664	164.82	0.992
7	18	27	195.674	3.982	272.127	197.07	0.984
7	18	29	71.397	13.868	80.766	311.64	0.707
7	18	31	129.913	5.605	207.991	148.02	0.944
7	18	33	77.804	9.540	101.166	242.39	0.860
7	18	35	62.973	14.679	77.137	46.21	0.741
7	18	37	57.065	15.801	47.232	212.73	0.590
7	19	0	62.866	10.734	63.232	180.00	0.721
7	19	2	510.245	4.189	683.867	265.44	0.997
7	19	4	45.675	8.662	25.157	57.24	0.223
7	19	6	292.362	3.788	397.851	110.87	0.989
7	19	8	153.898	3.126	186.150	98.78	0.961
7	19	10	354.339	3.296	751.187	123.46	0.980
7	19	12	495.825	4.310	711.226	149.89	0.996
7	19	14	153.067	3.558	178.193	228.96	0.967
7	19	16	205.663	3.407	314.327	71.27	0.972
7	19	18	328.324	3.684	471.780	54.39	0.989
7	19	20	126.952	6.873	161.955	346.61	0.908
7	19	22	56.894	13.755	21.148	178.83	0.736
7	19	24	222.825	4.075	307.015	115.11	0.983
7	19	26	62.562	12.795	64.587	195.06	0.727
7	19	28	227.904	4.068	312.202	180.49	0.988
7	19	30	125.205	6.945	190.521	17.14	0.948
7	19	32	81.480	10.132	114.325	315.81	0.874
7	19	34	44.009	13.030	27.621	324.11	0.722
7	19	36	68.753	16.725	62.524	148.02	0.908
7	20	1	328.585	3.168	479.633	304.16	0.991
7	20	3	226.540	3.229	307.844	289.92	0.982

7	20	5	167.666	3.664	300.208	250.12	0.922
7	20	7	200.846	3.114	290.236	99.51	0.975
7	20	9	267.388	3.151	290.398	201.98	0.989
7	20	11	422.589	3.827	538.611	146.32	0.995
7	20	13	324.357	3.257	484.954	230.89	0.990
7	20	15	210.393	3.107	263.620	199.21	0.977
7	20	17	42.300	10.958	58.399	50.70	0.660
7	20	19	70.706	9.092	60.140	315.71	0.721
7	20	21	221.025	4.338	371.831	171.37	0.978
7	20	23	39.511	11.539	3.916	98.77	0.562
7	20	25	254.107	4.379	372.433	335.37	0.990
7	20	27	152.164	5.343	181.129	265.33	0.976
7	20	29	139.023	6.117	198.081	358.16	0.965
7	20	31	48.937	11.474	16.893	200.03	0.772
7	20	33	67.824	12.825	45.311	348.68	0.939
7	20	35	47.285	14.888	3.046	270.59	0.048
7	21	0	224.857	3.974	315.584	0.00	0.999
7	21	2	61.677	7.561	26.262	304.17	0.386
7	21	4	128.073	4.102	168.289	73.07	0.946
7	21	6	388.404	5.606	884.072	186.37	0.981
7	21	8	310.653	3.424	413.900	146.23	0.990
7	21	10	62.613	7.304	14.059	231.63	0.841
7	21	12	290.352	3.199	419.974	130.71	0.987
7	21	14	146.711	4.416	165.410	333.86	0.948
7	21	16	271.672	3.647	347.514	267.63	0.987
7	21	18	282.919	3.887	309.394	331.96	0.992
7	21	20	211.898	4.989	298.098	235.49	0.982
7	21	22	151.002	5.162	193.492	240.09	0.975
7	21	24	175.730	5.209	249.790	80.66	0.980
7	21	26	77.222	14.357	87.495	47.14	0.581
7	21	28	87.042	7.920	125.929	56.48	0.850
7	21	30	102.611	9.586	112.107	176.38	0.954
7	21	32	47.917	14.673	33.207	233.02	0.807
7	21	34	42.493	13.413	21.758	121.27	0.506
7	22	1	304.255	3.446	452.098	329.09	0.989
7	22	3	69.513	8.097	60.042	272.70	0.630
7	22	5	287.311	3.708	398.014	144.84	0.988
7	22	7	107.625	6.017	114.657	194.30	0.612
7	22	9	209.567	3.228	274.956	195.27	0.976
7	22	11	303.832	3.561	400.010	132.77	0.989
7	22	13	367.122	3.613	512.212	344.75	0.992
7	22	15	328.447	3.656	482.126	327.81	0.989
7	22	17	212.919	4.484	288.838	303.35	0.983
7	22	19	222.340	4.604	364.037	190.16	0.980
7	22	21	158.260	4.202	204.951	312.52	0.978
7	22	23	307.773	3.832	458.538	62.65	0.993
7	22	25	172.112	6.013	220.170	43.97	0.982
7	22	27	202.840	4.823	302.055	324.03	0.984
7	22	29	48.204	12.807	18.214	24.70	0.739
7	22	31	86.507	13.830	101.386	51.49	0.945
7	22	33	109.167	17.833	115.706	177.35	0.964
7	23	0	78.250	13.053	108.662	0.00	0.992
7	23	2	248.376	3.343	292.705	261.86	0.986
7	23	4	176.994	3.944	271.727	8.99	0.959
7	23	6	210.066	4.476	266.177	140.91	0.977
7	23	8	228.041	4.605	386.184	91.41	0.973
7	23	10	340.044	3.619	436.193	206.11	0.992
7	23	12	366.376	3.799	549.361	31.75	0.991
7	23	14	142.776	5.615	182.990	181.26	0.962
7	23	16	201.194	4.916	289.313	26.73	0.980
7	23	18	140.989	5.955	243.357	79.54	0.957
7	23	20	128.332	6.935	166.009	169.46	0.965
7	23	22	132.529	6.029	164.626	114.96	0.969
7	23	24	54.183	12.921	37.063	221.30	0.556
7	23	26	58.256	12.673	28.014	63.36	0.307
7	23	28	70.138	13.677	76.756	276.70	0.857
7	23	30	42.126	13.516	18.842	51.59	0.363
7	23	32	42.679	13.934	25.642	12.57	0.541
7	24	1	228.648	3.893	330.599	163.26	0.980
7	24	3	258.078	3.713	402.108	156.19	0.981
7	24	5	150.899	5.476	195.685	2.07	0.957
7	24	7	136.689	5.883	170.308	98.50	0.953
7	24	9	246.527	3.870	307.660	257.21	0.989
7	24	11	194.352	3.741	272.886	112.73	0.980
7	24	13	100.311	9.447	132.625	333.38	0.905
7	24	15	98.467	7.991	155.856	149.61	0.830
7	24	17	130.572	5.837	197.913	51.67	0.961

7	24	19	90.094	6.498	94.822	209.98	0.935
7	24	21	127.792	8.134	125.889	250.69	0.972
7	24	23	166.634	5.183	213.539	291.15	0.980
7	24	25	155.475	5.479	244.710	208.08	0.972
7	24	27	134.417	8.141	178.208	252.43	0.969
7	24	29	80.785	16.776	116.261	352.66	0.780
7	24	31	55.742	15.089	52.921	22.28	0.644
7	25	0	162.969	8.182	228.368	0.00	1.000
7	25	2	85.347	7.358	115.728	243.30	0.845
7	25	4	328.112	3.670	416.696	248.63	0.994
7	25	6	196.136	6.089	264.455	335.16	0.981
7	25	8	220.781	6.742	310.500	182.33	0.985
7	25	10	269.051	4.183	298.433	310.35	0.992
7	25	12	143.122	5.356	208.344	181.62	0.958
7	25	14	374.404	4.040	561.653	338.03	0.996
7	25	16	142.791	5.606	196.455	225.12	0.972
7	25	18	160.837	4.945	176.492	259.57	0.982
7	25	20	202.670	4.555	312.211	253.54	0.984
7	25	22	88.862	8.339	121.462	317.99	0.907
7	25	24	101.538	7.299	178.484	8.83	0.787
7	25	26	100.082	15.394	73.759	339.21	0.973
7	25	28	37.897	12.440	8.769	220.20	0.348
7	25	30	41.882	19.664	9.165	156.71	0.743
7	26	1	147.040	6.318	188.562	258.36	0.965
7	26	3	140.023	5.695	189.455	328.37	0.960
7	26	5	267.767	3.715	372.022	244.60	0.990
7	26	7	35.891	10.371	31.944	358.89	0.622
7	26	9	90.328	12.718	144.113	27.70	0.872
7	26	11	68.820	12.692	86.841	28.15	0.733
7	26	13	60.528	12.995	62.193	16.42	0.717
7	26	15	211.792	3.927	329.823	332.16	0.986
7	26	17	121.452	5.860	139.999	113.20	0.965
7	26	19	107.058	6.868	177.388	57.19	0.910
7	26	21	55.665	11.928	41.190	169.10	0.830
7	26	23	64.863	13.159	47.902	226.83	0.437
7	26	25	73.428	18.436	67.058	194.54	0.528
7	26	27	58.411	16.844	40.025	23.22	0.881
7	26	29	51.912	15.277	35.353	60.62	0.503
7	27	0	112.031	8.440	156.626	180.00	1.000
7	27	2	165.002	6.045	255.328	190.47	0.977
7	27	4	191.510	4.324	285.999	317.30	0.984
7	27	6	70.699	13.091	67.449	92.07	0.490
7	27	8	68.083	16.480	46.360	1.34	0.887
7	27	10	182.374	5.191	244.248	86.34	0.984
7	27	12	55.028	10.508	33.960	335.36	0.821
7	27	14	94.872	7.694	129.575	95.30	0.927
7	27	16	54.758	11.228	33.882	239.31	0.821
7	27	18	126.804	6.015	184.702	198.59	0.966
7	27	20	41.427	11.775	12.986	21.72	0.527
7	27	22	47.471	13.641	15.364	211.41	0.398
7	27	24	128.719	13.350	197.459	24.80	0.970
7	27	26	81.176	24.841	83.241	319.46	0.832
7	27	28	68.399	25.910	35.725	38.04	0.688
7	28	1	130.520	5.703	235.297	286.17	0.940
7	28	3	78.045	10.139	114.648	186.99	0.747
7	28	5	166.072	4.923	283.139	169.64	0.972
7	28	7	93.524	8.189	64.795	164.05	0.960
7	28	9	282.520	4.563	448.189	344.82	0.992
7	28	11	86.669	12.431	135.899	102.56	0.856
7	28	13	101.274	7.596	172.290	194.19	0.853
7	28	15	118.877	6.941	102.670	247.82	0.970
7	28	17	90.406	9.897	91.977	174.37	0.945
7	28	19	39.864	12.598	9.908	288.92	0.594
7	28	21	50.177	14.505	39.481	243.18	0.832
7	28	23	50.050	15.089	35.796	334.22	0.798
7	28	25	46.346	15.417	33.098	169.54	0.762
7	28	27	48.017	21.817	4.970	299.29	0.276
7	29	0	226.114	6.497	315.890	0.00	1.000
7	29	2	99.761	7.906	122.030	68.45	0.948
7	29	4	118.080	6.728	171.055	146.57	0.953
7	29	6	152.104	7.045	252.213	186.97	0.969
7	29	8	72.950	12.722	91.823	126.82	0.686
7	29	10	103.541	8.541	104.521	327.31	0.956
7	29	12	152.088	6.565	301.781	83.66	0.955
7	29	14	89.034	8.771	115.037	59.90	0.931
7	29	16	165.090	6.761	254.464	160.89	0.978
7	29	18	66.334	14.596	73.400	34.82	0.911

7	29	20	49.602	13.609	44.342	38.86	0.624
7	29	22	59.589	13.990	74.788	264.99	0.790
7	29	24	79.945	15.001	76.794	157.20	0.942
7	30	1	46.759	11.697	20.564	51.91	0.704
7	30	3	84.011	8.546	75.792	319.78	0.936
7	30	5	80.742	9.749	84.827	216.23	0.923
7	30	7	60.564	10.410	51.308	322.69	0.861
7	30	9	116.819	6.529	233.312	195.18	0.848
7	30	11	83.840	9.478	80.342	34.40	0.941
7	30	13	63.772	13.453	31.105	65.67	0.906
7	30	15	35.177	11.770	12.398	48.62	0.687
7	30	17	92.191	11.119	148.736	69.58	0.934
7	30	19	35.752	11.716	10.547	283.19	0.595
7	30	21	61.078	15.997	57.967	329.68	0.871
7	30	23	36.935	18.435	14.710	350.31	0.578
7	31	0	27.913	13.111	10.578	0.00	0.278
7	31	2	148.115	4.741	249.346	342.93	0.972
7	31	4	83.899	9.564	96.896	225.20	0.933
7	31	6	73.178	11.566	94.462	166.27	0.880
7	31	8	36.285	11.830	1.017	122.96	0.078
7	31	10	36.081	11.892	12.012	332.18	0.710
7	31	12	47.316	15.866	25.970	110.11	0.368
7	31	14	40.532	13.086	25.951	6.68	0.669
7	31	16	46.905	11.408	22.573	102.91	0.866
7	31	18	53.353	13.384	54.852	36.77	0.761
7	31	20	38.410	17.812	1.746	99.36	0.517
7	32	1	83.154	14.915	97.497	309.30	0.949
7	32	3	42.337	11.957	15.805	308.97	0.858
7	32	5	60.857	13.905	40.897	355.69	0.930
7	32	7	78.487	15.203	122.514	251.84	0.853
7	32	9	92.725	10.475	146.761	320.00	0.945
7	32	11	92.756	10.778	136.681	88.30	0.952
7	32	13	67.166	16.001	75.992	141.65	0.610
7	32	15	37.653	17.660	4.273	171.11	0.391
7	32	17	47.587	21.703	3.256	30.64	0.698
7	33	0	29.589	18.603	19.285	180.00	0.519
7	33	2	49.177	13.240	35.787	229.95	0.856
7	33	4	43.881	12.706	36.208	355.91	0.692
7	33	6	42.570	12.701	21.170	269.52	0.373
7	33	8	48.818	12.627	46.998	267.22	0.580
7	33	10	39.029	12.408	10.510	223.44	0.823
7	33	12	67.839	12.774	99.383	192.05	0.825
7	33	14	42.130	18.857	6.840	186.52	0.598
7	34	1	43.999	13.176	35.435	82.31	0.724
7	34	3	38.234	11.915	23.307	70.62	0.686
7	34	5	66.658	14.431	59.222	154.04	0.927
7	34	7	53.541	15.348	39.368	102.44	0.856
7	34	9	56.932	22.412	30.322	217.34	0.650
8	0	0	555.973	8.132	785.951	180.00	1.000
8	0	2	195.860	2.703	276.705	180.00	1.000
8	0	4	624.492	6.896	882.140	0.00	1.000
8	0	6	334.403	4.614	471.337	180.00	1.000
8	0	8	110.608	2.601	148.873	180.00	0.958
8	0	10	65.101	5.291	70.906	180.00	0.779
8	0	12	72.288	5.667	9.888	180.00	0.099
8	0	14	24.868	8.045	22.328	180.00	0.678
8	0	16	114.010	6.057	158.283	0.00	0.999
8	0	18	434.166	6.263	600.768	180.00	1.000
8	0	20	84.723	6.265	60.376	0.00	0.519
8	0	22	207.777	4.009	48.003	0.00	0.169
8	0	24	76.237	8.683	77.599	180.00	0.753
8	0	26	21.761	10.447	5.942	180.00	0.209
8	0	28	538.643	8.668	723.350	0.00	1.000
8	0	30	193.013	5.703	257.226	0.00	1.000
8	0	32	31.043	14.311	28.270	180.00	0.698
8	0	34	335.089	8.322	438.751	0.00	1.000
8	0	36	185.083	6.938	240.046	0.00	1.000
8	0	38	41.031	18.657	41.414	0.00	0.805
8	0	40	62.656	15.336	32.933	0.00	0.423
8	0	42	47.200	21.492	9.871	180.00	0.180
8	1	1	734.262	9.636	1040.860	136.34	0.997
8	1	3	124.121	1.489	137.554	159.73	0.929
8	1	5	263.771	2.145	368.496	87.03	0.985
8	1	7	253.145	2.165	338.038	327.77	0.980
8	1	9	432.609	3.509	622.709	38.44	0.992
8	1	11	199.193	2.090	310.343	83.04	0.970
8	1	13	180.993	2.218	205.259	307.29	0.970

8	1	15	414.882	3.587	561.895	289.18	0.994
8	1	17	280.899	2.692	363.498	314.33	0.988
8	1	19	240.877	2.574	359.556	137.60	0.973
8	1	21	144.498	3.336	206.200	143.46	0.928
8	1	23	423.846	3.731	593.750	129.12	0.994
8	1	25	313.472	3.162	449.506	322.05	0.989
8	1	27	122.801	4.242	174.935	293.34	0.923
8	1	29	305.776	3.518	407.760	332.32	0.988
8	1	31	117.197	6.710	127.761	78.31	0.520
8	1	33	123.677	6.702	153.544	16.77	0.935
8	1	35	120.932	6.501	146.108	110.36	0.958
8	1	37	45.228	11.968	12.749	24.84	0.391
8	1	39	111.829	7.815	138.983	267.78	0.954
8	1	41	65.243	22.874	58.867	133.64	0.762
8	1	43	55.002	17.749	41.673	313.17	0.757
8	2	0	1226.899	25.767	1730.962	180.00	1.000
8	2	2	1145.273	14.836	1631.296	254.50	0.999
8	2	4	424.681	3.443	636.989	107.70	0.991
8	2	6	60.839	2.364	40.657	201.13	0.935
8	2	8	244.629	2.140	333.629	88.42	0.983
8	2	10	472.946	3.979	615.613	345.98	0.995
8	2	12	302.744	2.769	436.400	176.39	0.990
8	2	14	97.394	3.099	70.172	258.37	0.874
8	2	16	293.012	2.765	428.465	8.01	0.987
8	2	18	183.664	2.513	201.321	238.75	0.981
8	2	20	284.445	2.859	429.357	326.09	0.983
8	2	22	302.339	2.951	407.261	122.92	0.985
8	2	24	141.694	3.643	176.317	17.79	0.968
8	2	26	289.528	3.056	357.356	22.27	0.990
8	2	28	150.506	4.310	205.543	338.50	0.942
8	2	30	329.939	3.534	439.325	264.11	0.989
8	2	32	139.116	5.804	156.230	175.87	0.962
8	2	34	362.867	4.329	420.160	198.54	0.994
8	2	36	179.716	4.778	316.193	72.57	0.964
8	2	38	71.875	12.206	68.652	286.66	0.855
8	2	40	49.660	13.907	11.004	145.88	0.773
8	2	42	52.913	15.044	26.667	202.24	0.875
8	3	1	831.520	7.792	1159.858	223.91	0.998
8	3	3	470.713	3.880	682.677	247.78	0.994
8	3	5	411.160	4.037	546.243	48.97	0.993
8	3	7	194.022	1.817	257.462	86.72	0.979
8	3	9	155.983	1.947	178.292	59.03	0.988
8	3	11	132.192	2.029	201.893	333.30	0.965
8	3	13	503.692	4.415	707.772	208.92	0.996
8	3	15	227.393	2.582	279.426	237.93	0.987
8	3	17	390.036	3.429	553.786	256.46	0.992
8	3	19	375.405	3.284	538.284	333.00	0.990
8	3	21	430.450	3.663	610.777	48.36	0.993
8	3	23	364.081	3.351	500.025	290.64	0.993
8	3	25	193.257	3.189	209.862	141.59	0.976
8	3	27	309.026	3.157	450.174	335.03	0.987
8	3	29	104.012	6.140	127.827	199.77	0.848
8	3	31	75.094	9.083	49.688	143.71	0.405
8	3	33	185.578	5.053	322.479	132.86	0.958
8	3	35	102.574	7.991	148.891	189.96	0.918
8	3	37	219.580	4.986	308.244	257.17	0.985
8	3	39	68.091	11.607	76.871	150.82	0.836
8	3	41	58.459	14.940	47.262	208.12	0.873
8	3	43	46.656	15.182	23.698	284.71	0.441
8	4	0	589.255	7.782	832.914	0.00	1.000
8	4	2	248.921	2.449	351.995	103.13	0.984
8	4	4	236.673	2.275	362.801	224.64	0.982
8	4	6	649.598	5.113	967.003	62.16	0.996
8	4	8	234.750	2.271	293.522	183.48	0.983
8	4	10	252.639	2.335	392.048	54.08	0.981
8	4	12	622.335	5.523	819.232	166.02	0.997
8	4	14	75.559	4.068	95.127	191.74	0.862
8	4	16	97.731	3.212	118.730	315.71	0.918
8	4	18	219.828	2.463	308.027	14.61	0.985
8	4	20	219.510	2.601	345.781	354.92	0.974
8	4	22	186.997	2.656	199.636	75.81	0.978
8	4	24	267.777	2.933	379.058	119.65	0.985
8	4	26	175.167	3.425	245.010	325.89	0.968
8	4	28	147.695	3.956	221.169	122.16	0.936
8	4	30	115.326	5.657	151.615	118.18	0.894
8	4	32	111.512	7.088	160.246	64.14	0.827
8	4	34	79.647	9.146	87.539	183.04	0.889

8	4	36	122.986	6.622	157.402	44.10	0.956
8	4	38	139.099	5.261	209.608	213.12	0.955
8	4	40	120.286	6.838	199.622	185.93	0.924
8	4	42	58.688	15.873	52.323	244.09	0.812
8	5	1	269.646	2.607	403.963	316.66	0.978
8	5	3	197.840	1.723	293.252	235.50	0.987
8	5	5	531.683	4.904	756.755	66.18	0.995
8	5	7	534.308	4.700	782.529	166.64	0.995
8	5	9	437.845	3.553	572.844	231.51	0.994
8	5	11	274.638	2.720	371.308	90.57	0.986
8	5	13	364.109	3.597	553.758	192.12	0.991
8	5	15	115.872	2.733	163.998	236.37	0.857
8	5	17	161.621	2.473	205.882	244.83	0.962
8	5	19	252.920	2.658	340.650	24.19	0.984
8	5	21	161.175	2.721	246.677	43.56	0.879
8	5	23	57.954	8.129	24.217	131.79	0.484
8	5	25	190.813	3.199	249.606	103.26	0.974
8	5	27	164.070	3.125	216.295	305.25	0.962
8	5	29	145.245	4.289	212.331	200.95	0.926
8	5	31	206.936	3.915	378.157	53.85	0.964
8	5	33	151.720	4.912	181.643	249.07	0.965
8	5	35	144.432	7.006	161.544	62.17	0.975
8	5	37	106.570	6.647	108.613	275.20	0.950
8	5	39	172.447	5.221	225.584	76.07	0.980
8	5	41	56.940	13.750	37.832	16.25	0.391
8	5	43	49.194	23.321	11.396	352.37	0.465
8	6	0	507.755	5.540	717.687	0.00	1.000
8	6	2	566.972	6.891	814.454	114.35	0.996
8	6	4	538.534	4.570	797.600	227.62	0.995
8	6	6	92.837	2.023	108.382	103.06	0.919
8	6	8	471.587	3.954	666.395	25.28	0.994
8	6	10	367.689	3.030	480.062	12.30	0.993
8	6	12	321.926	2.877	405.066	342.66	0.992
8	6	14	177.240	2.291	255.305	224.14	0.966
8	6	16	353.565	3.467	446.169	17.22	0.992
8	6	18	223.948	2.795	258.775	141.69	0.980
8	6	20	176.886	2.717	261.843	236.81	0.917
8	6	22	418.236	3.735	631.092	18.21	0.994
8	6	24	300.515	3.114	403.763	49.47	0.990
8	6	26	123.277	3.946	160.549	176.69	0.936
8	6	28	276.432	3.242	392.771	36.48	0.984
8	6	30	303.088	3.832	404.707	202.24	0.988
8	6	32	172.243	5.347	258.254	257.86	0.964
8	6	34	58.839	11.962	52.162	14.85	0.783
8	6	36	157.391	5.664	235.108	245.19	0.968
8	6	38	110.313	7.711	108.632	26.69	0.962
8	6	40	84.051	12.091	115.376	212.04	0.791
8	6	42	68.310	18.053	65.444	88.90	0.859
8	7	1	335.729	3.959	474.424	45.19	0.988
8	7	3	378.039	3.690	608.502	272.23	0.989
8	7	5	197.033	1.846	274.208	190.64	0.985
8	7	7	459.723	4.910	650.916	202.48	0.994
8	7	9	240.283	2.384	303.562	63.12	0.987
8	7	11	244.631	2.444	361.996	103.36	0.981
8	7	13	313.281	2.838	401.278	139.59	0.990
8	7	15	397.499	3.530	567.051	100.54	0.993
8	7	17	207.551	2.586	253.887	105.42	0.979
8	7	19	300.837	2.896	391.828	301.98	0.987
8	7	21	773.885	6.834	1055.156	87.70	0.998
8	7	23	239.188	2.824	368.094	247.85	0.975
8	7	25	293.744	3.168	445.831	355.63	0.986
8	7	27	357.944	3.425	486.625	86.11	0.992
8	7	29	147.835	4.462	163.006	219.42	0.959
8	7	31	270.681	3.621	304.751	150.88	0.990
8	7	33	111.128	6.230	134.382	285.26	0.952
8	7	35	217.775	4.333	222.844	228.54	0.990
8	7	37	157.589	5.347	198.828	346.25	0.975
8	7	39	72.014	10.763	84.488	16.98	0.833
8	7	41	48.414	14.103	30.234	84.76	0.797
8	7	43	49.274	23.244	10.432	208.68	0.462
8	8	0	315.682	3.687	446.094	0.00	1.000
8	8	2	319.448	3.327	396.653	27.05	0.989
8	8	4	318.257	3.128	472.204	2.65	0.986
8	8	6	618.440	6.245	892.555	326.97	0.996
8	8	8	106.008	2.730	131.908	189.58	0.938
8	8	10	265.591	2.553	369.159	284.24	0.989
8	8	12	114.440	2.671	111.983	143.76	0.963

8	8	14	171.673	2.694	229.081	145.41	0.972
8	8	16	264.456	2.705	360.702	100.96	0.985
8	8	18	659.845	5.529	915.211	317.48	0.997
8	8	20	248.913	2.734	338.435	227.86	0.985
8	8	22	64.621	7.561	38.567	259.66	0.494
8	8	24	232.542	2.863	283.729	214.69	0.984
8	8	26	674.968	6.171	883.009	156.59	0.998
8	8	28	69.713	9.308	31.393	234.20	0.320
8	8	30	298.851	3.590	394.313	201.36	0.991
8	8	32	199.368	4.329	343.274	347.83	0.967
8	8	34	63.510	10.951	20.040	7.70	0.893
8	8	36	107.172	6.980	164.506	42.30	0.911
8	8	38	69.171	11.970	35.838	30.64	0.907
8	8	40	39.428	12.027	19.894	112.36	0.665
8	8	42	48.476	15.377	30.656	105.35	0.554
8	9	1	326.302	2.746	433.388	329.41	0.990
8	9	3	187.292	2.943	186.690	306.99	0.973
8	9	5	294.754	2.468	414.875	36.04	0.987
8	9	7	308.785	2.685	463.907	313.48	0.988
8	9	9	413.576	4.314	624.201	359.00	0.993
8	9	11	365.477	3.234	451.518	335.59	0.994
8	9	13	272.100	2.716	427.824	225.29	0.986
8	9	15	143.614	2.698	192.436	335.99	0.918
8	9	17	408.202	3.575	573.763	23.68	0.993
8	9	19	102.400	3.904	123.448	186.11	0.945
8	9	21	128.454	3.778	111.911	50.68	0.959
8	9	23	150.196	3.672	224.182	359.30	0.952
8	9	25	474.191	4.115	674.630	194.61	0.995
8	9	27	201.263	3.490	304.657	126.38	0.965
8	9	29	203.051	3.851	291.819	210.76	0.968
8	9	31	291.061	4.104	402.074	172.34	0.990
8	9	33	161.038	5.262	215.048	47.93	0.976
8	9	35	54.268	12.235	31.398	82.06	0.794
8	9	37	129.086	6.469	145.648	125.77	0.970
8	9	39	73.606	14.336	85.405	241.11	0.801
8	9	41	43.172	14.259	22.326	38.10	0.558
8	10	0	630.898	8.711	890.826	180.00	1.000
8	10	2	90.425	3.435	125.537	106.13	0.876
8	10	4	141.910	2.638	197.969	228.16	0.976
8	10	6	481.491	4.131	622.646	161.41	0.996
8	10	8	298.706	2.753	378.661	15.93	0.989
8	10	10	414.658	4.342	663.287	107.46	0.992
8	10	12	276.230	2.839	400.096	50.77	0.985
8	10	14	48.097	7.515	33.786	339.09	0.680
8	10	16	73.009	4.310	83.143	287.49	0.711
8	10	18	242.576	2.859	288.629	110.23	0.980
8	10	20	326.091	3.123	480.881	216.17	0.989
8	10	22	295.524	3.111	405.408	102.91	0.990
8	10	24	432.363	3.939	622.737	355.48	0.994
8	10	26	333.220	3.371	482.183	6.12	0.989
8	10	28	188.522	3.681	301.379	107.07	0.955
8	10	30	234.076	3.808	400.138	160.72	0.977
8	10	32	134.760	6.362	186.830	257.56	0.961
8	10	34	44.970	11.990	11.012	212.61	0.362
8	10	36	48.912	12.354	17.004	278.19	0.339
8	10	38	196.875	4.742	299.757	10.57	0.982
8	10	40	54.559	15.014	36.973	267.05	0.867
8	10	42	50.908	22.616	10.686	276.87	0.318
8	11	1	52.071	4.929	35.062	339.07	0.491
8	11	3	219.420	2.749	308.988	83.17	0.977
8	11	5	294.863	2.900	420.556	217.39	0.989
8	11	7	96.181	3.228	131.863	287.65	0.899
8	11	9	157.151	2.416	172.837	64.85	0.963
8	11	11	110.154	3.389	134.048	323.47	0.941
8	11	13	380.349	3.659	528.723	2.14	0.992
8	11	15	44.022	7.271	9.084	149.71	0.052
8	11	17	159.846	2.807	224.668	271.34	0.929
8	11	19	39.050	8.771	22.327	85.65	0.569
8	11	21	523.528	4.443	743.902	233.85	0.996
8	11	23	236.395	3.072	331.036	57.18	0.982
8	11	25	205.518	3.285	209.824	67.96	0.981
8	11	27	233.812	3.558	340.895	327.36	0.976
8	11	29	155.811	5.006	201.325	119.20	0.967
8	11	31	278.895	3.914	345.686	346.18	0.990
8	11	33	83.146	9.632	85.089	168.82	0.911
8	11	35	148.624	5.013	214.868	25.55	0.966
8	11	37	119.578	6.165	174.349	214.74	0.949

8	11	39	38.897	12.134	18.273	6.05	0.596
8	11	41	49.953	14.744	39.370	235.17	0.708
8	12	0	24.289	8.757	11.251	0.00	0.329
8	12	2	290.252	3.642	412.921	146.65	0.988
8	12	4	169.489	2.785	215.110	235.71	0.979
8	12	6	145.528	2.161	171.662	295.30	0.953
8	12	8	135.794	2.245	186.037	182.03	0.949
8	12	10	309.054	2.821	440.660	259.70	0.989
8	12	12	283.586	2.716	392.209	166.03	0.984
8	12	14	131.081	3.331	210.702	297.55	0.908
8	12	16	97.563	3.674	108.859	8.89	0.932
8	12	18	243.075	2.806	364.659	273.86	0.981
8	12	20	187.582	2.959	260.319	225.58	0.974
8	12	22	357.113	3.411	432.367	253.27	0.993
8	12	24	168.980	3.613	183.739	111.61	0.968
8	12	26	112.559	5.020	151.786	108.07	0.891
8	12	28	154.316	4.486	210.914	130.31	0.965
8	12	30	119.006	5.767	145.716	321.17	0.939
8	12	32	68.327	10.145	76.287	21.60	0.823
8	12	34	72.248	11.978	67.808	339.50	0.880
8	12	36	127.464	6.066	179.630	188.61	0.960
8	12	38	44.013	12.989	12.383	173.31	0.846
8	12	40	46.154	15.391	24.496	164.72	0.507
8	13	1	221.338	2.302	274.443	194.28	0.990
8	13	3	253.441	2.890	344.811	321.95	0.983
8	13	5	642.051	5.636	982.016	262.54	0.997
8	13	7	363.625	3.226	583.048	6.07	0.990
8	13	9	320.675	3.105	432.624	296.26	0.988
8	13	11	389.920	3.562	559.226	243.72	0.991
8	13	13	209.328	2.723	238.129	195.57	0.985
8	13	15	248.183	2.715	372.648	155.29	0.982
8	13	17	481.972	4.251	659.804	239.86	0.996
8	13	19	338.382	3.273	475.992	340.30	0.992
8	13	21	180.410	3.407	178.734	315.84	0.975
8	13	23	295.580	3.621	433.653	231.06	0.987
8	13	25	294.385	3.468	375.598	126.62	0.988
8	13	27	79.727	7.175	82.530	336.57	0.854
8	13	29	334.765	3.967	443.449	346.60	0.993
8	13	31	284.238	4.020	423.664	163.79	0.992
8	13	33	123.460	5.808	180.623	342.54	0.949
8	13	35	43.807	11.229	4.963	174.88	0.767
8	13	37	80.961	10.714	87.918	325.65	0.899
8	13	39	40.601	13.460	15.674	114.29	0.394
8	13	41	44.942	21.036	2.932	348.62	0.635
8	14	0	468.357	7.723	660.869	180.00	1.000
8	14	2	150.223	3.228	234.086	303.54	0.930
8	14	4	211.592	2.697	315.896	312.09	0.980
8	14	6	458.724	4.426	627.350	295.06	0.994
8	14	8	359.480	3.227	549.138	18.93	0.989
8	14	10	260.904	2.865	361.003	120.12	0.986
8	14	12	290.866	2.830	421.086	5.99	0.984
8	14	14	209.602	3.053	291.309	291.01	0.981
8	14	16	502.053	5.728	743.861	280.89	0.996
8	14	18	238.846	3.066	325.786	344.80	0.983
8	14	20	102.256	4.931	92.185	235.31	0.934
8	14	22	132.958	4.031	188.288	359.34	0.935
8	14	24	396.833	4.058	558.386	141.68	0.993
8	14	26	59.798	11.537	8.380	97.82	0.838
8	14	28	98.996	6.626	92.496	298.62	0.932
8	14	30	49.830	12.737	26.646	32.20	0.518
8	14	32	170.386	5.159	238.285	170.34	0.977
8	14	34	77.568	10.271	94.907	224.92	0.822
8	14	36	53.165	12.154	33.683	259.14	0.519
8	14	38	32.794	11.251	5.053	279.85	0.542
8	14	40	50.322	23.460	6.216	141.20	0.323
8	15	1	377.023	3.354	558.486	178.79	0.992
8	15	3	267.333	3.105	384.104	56.93	0.982
8	15	5	518.733	5.152	699.553	147.09	0.996
8	15	7	326.161	3.004	448.551	125.77	0.989
8	15	9	236.544	2.872	322.774	33.60	0.978
8	15	11	387.512	3.628	511.132	73.91	0.994
8	15	13	367.698	3.292	516.067	59.10	0.993
8	15	15	91.671	5.707	98.478	162.09	0.885
8	15	17	102.408	4.950	108.558	138.61	0.931
8	15	19	490.796	4.463	708.219	134.15	0.996
8	15	21	173.498	3.382	249.805	300.05	0.962
8	15	23	31.238	9.655	59.082	154.29	0.415

8	15	25	460.360	4.356	647.564	171.83	0.996
8	15	27	168.216	4.843	205.707	313.30	0.973
8	15	29	43.158	11.814	3.062	115.54	0.723
8	15	31	137.951	6.529	176.041	231.17	0.968
8	15	33	175.805	4.980	247.620	255.95	0.978
8	15	35	39.559	11.867	5.154	51.28	0.615
8	15	37	47.041	14.608	28.013	274.30	0.794
8	15	39	43.285	13.621	11.828	182.80	0.262
8	16	0	309.385	4.164	436.577	180.00	1.000
8	16	2	352.073	3.046	540.889	12.96	0.989
8	16	4	191.465	3.051	247.246	59.70	0.970
8	16	6	558.562	4.851	853.471	130.38	0.996
8	16	8	193.492	2.691	253.814	297.14	0.976
8	16	10	230.335	2.914	353.349	264.46	0.982
8	16	12	197.164	2.847	299.656	73.37	0.964
8	16	14	264.355	2.927	326.710	250.40	0.989
8	16	16	556.683	5.596	750.850	203.96	0.997
8	16	18	70.363	7.805	52.227	129.70	0.630
8	16	20	287.542	3.208	375.699	40.65	0.989
8	16	22	192.308	3.305	267.786	338.17	0.969
8	16	24	320.441	3.443	466.985	286.48	0.992
8	16	26	230.796	4.046	360.490	74.01	0.981
8	16	28	285.583	3.721	416.347	190.15	0.992
8	16	30	198.275	4.101	285.653	6.77	0.983
8	16	32	78.488	9.779	88.869	15.15	0.883
8	16	34	60.679	10.990	53.791	339.37	0.808
8	16	36	83.279	11.941	106.929	71.74	0.933
8	16	38	60.317	15.524	51.648	330.06	0.569
8	17	1	396.669	3.646	549.705	115.21	0.993
8	17	3	394.933	3.883	598.264	52.33	0.994
8	17	5	247.217	3.280	300.940	110.31	0.987
8	17	7	75.647	4.644	83.668	322.07	0.890
8	17	9	226.634	2.666	294.882	81.39	0.984
8	17	11	111.111	3.983	128.219	321.26	0.952
8	17	13	132.200	3.681	187.306	294.99	0.956
8	17	15	717.583	6.124	992.000	298.39	0.998
8	17	17	356.333	3.780	516.291	21.41	0.992
8	17	19	243.836	3.441	303.053	87.11	0.983
8	17	21	340.469	3.639	371.891	315.46	0.992
8	17	23	237.119	3.503	332.299	343.57	0.986
8	17	25	193.709	3.905	232.477	183.09	0.982
8	17	27	170.428	5.632	186.475	144.89	0.983
8	17	29	148.589	4.905	210.914	71.39	0.970
8	17	31	49.285	12.093	10.729	310.97	0.161
8	17	33	141.180	5.637	177.430	313.71	0.974
8	17	35	63.546	12.093	39.073	142.87	0.929
8	17	37	60.694	16.605	50.320	0.43	0.862
8	17	39	33.063	16.815	13.581	85.10	0.421
8	18	0	263.775	3.881	371.984	180.00	1.000
8	18	2	142.118	3.174	162.411	1.85	0.965
8	18	4	207.814	2.986	282.556	9.45	0.980
8	18	6	244.616	2.927	341.361	124.12	0.985
8	18	8	69.235	4.992	66.446	126.38	0.901
8	18	10	280.321	2.882	394.692	18.31	0.988
8	18	12	300.450	3.222	389.675	95.62	0.991
8	18	14	171.725	3.328	260.421	125.70	0.958
8	18	16	216.958	3.209	295.602	10.10	0.979
8	18	18	208.748	3.336	372.759	65.57	0.948
8	18	20	265.502	6.310	384.200	123.22	0.983
8	18	22	321.499	4.159	508.928	79.51	0.991
8	18	24	45.708	12.506	2.246	72.08	0.550
8	18	26	178.697	4.650	264.669	130.30	0.979
8	18	28	188.895	4.821	287.601	234.52	0.980
8	18	30	80.128	10.144	83.815	248.55	0.899
8	18	32	39.411	11.017	3.631	303.20	0.301
8	18	34	56.946	14.034	23.691	162.30	0.235
8	18	36	63.747	14.820	72.113	290.63	0.721
8	18	38	95.675	27.423	46.848	210.82	0.928
8	19	1	88.438	4.951	103.833	186.25	0.897
8	19	3	597.114	5.342	877.459	33.30	0.997
8	19	5	344.238	3.773	499.408	330.16	0.992
8	19	7	339.895	3.796	525.668	245.20	0.990
8	19	9	171.972	3.222	217.061	71.10	0.976
8	19	11	174.715	3.021	187.221	157.01	0.981
8	19	13	275.237	3.406	387.190	68.21	0.987
8	19	15	337.617	3.633	467.387	191.28	0.990
8	19	17	195.235	3.547	275.698	207.75	0.972

8	19	19	111.149	5.863	127.333	186.92	0.918
8	19	21	53.506	11.614	35.275	245.00	0.862
8	19	23	102.589	7.982	128.385	302.48	0.925
8	19	25	162.434	6.437	263.525	347.33	0.971
8	19	27	204.896	4.549	304.179	193.57	0.984
8	19	29	61.890	11.188	55.296	102.86	0.843
8	19	31	71.784	13.419	89.996	176.48	0.814
8	19	33	40.503	12.924	17.928	302.23	0.722
8	19	35	37.830	11.879	16.622	37.59	0.614
8	19	37	36.620	17.732	2.546	315.47	0.348
8	20	0	149.699	4.729	210.790	0.00	1.000
8	20	2	95.554	4.352	36.005	75.82	0.943
8	20	4	323.900	3.131	469.258	127.47	0.991
8	20	6	373.768	5.382	580.809	20.39	0.992
8	20	8	349.992	3.282	539.752	325.58	0.991
8	20	10	211.140	3.106	344.584	210.78	0.968
8	20	12	234.158	2.918	285.318	42.27	0.984
8	20	14	395.598	3.602	594.040	167.75	0.992
8	20	16	94.898	8.173	89.543	256.93	0.889
8	20	18	130.368	5.207	210.694	348.80	0.901
8	20	20	84.409	10.378	113.697	139.24	0.847
8	20	22	169.297	7.629	234.024	252.16	0.970
8	20	24	168.327	5.395	273.786	220.92	0.973
8	20	26	176.787	5.699	235.429	192.89	0.982
8	20	28	60.038	12.203	3.292	186.95	0.035
8	20	30	67.677	10.707	65.314	200.84	0.882
8	20	32	42.852	14.139	10.621	33.12	0.822
8	20	34	42.509	13.919	15.567	263.08	0.292
8	20	36	82.633	16.757	105.762	56.46	0.787
8	21	1	159.922	3.928	202.603	278.47	0.964
8	21	3	152.984	4.190	166.611	334.73	0.975
8	21	5	314.489	3.584	461.524	291.74	0.990
8	21	7	520.511	5.511	814.677	203.96	0.996
8	21	9	363.885	3.562	503.416	182.48	0.993
8	21	11	268.510	3.212	420.416	256.89	0.982
8	21	13	181.421	3.442	246.222	233.47	0.972
8	21	15	155.898	4.295	182.319	183.29	0.962
8	21	17	154.478	5.409	208.659	272.14	0.967
8	21	19	136.604	5.870	121.926	228.94	0.968
8	21	21	262.304	3.643	311.041	270.99	0.993
8	21	23	339.766	4.660	505.392	26.01	0.994
8	21	25	236.843	4.354	371.323	174.55	0.988
8	21	27	72.564	16.719	59.435	149.23	0.882
8	21	29	77.677	8.905	88.130	181.38	0.897
8	21	31	101.680	9.911	116.616	56.14	0.968
8	21	33	74.925	16.061	97.108	177.49	0.796
8	21	35	46.214	13.073	33.325	331.52	0.618
8	22	0	51.661	13.037	29.918	180.00	0.415
8	22	2	152.968	4.291	221.850	324.81	0.953
8	22	4	131.638	4.155	186.837	267.55	0.870
8	22	6	256.652	4.304	349.518	225.85	0.985
8	22	8	471.622	4.259	720.487	172.83	0.995
8	22	10	81.127	7.644	69.631	215.42	0.803
8	22	12	293.793	3.676	572.814	139.94	0.976
8	22	14	190.873	4.000	251.197	357.01	0.980
8	22	16	96.984	7.085	117.466	279.82	0.916
8	22	18	177.646	5.090	247.883	53.68	0.975
8	22	20	161.354	4.587	221.146	318.99	0.978
8	22	22	228.012	4.368	280.127	337.91	0.990
8	22	24	61.883	13.087	63.545	283.83	0.650
8	22	26	99.300	10.270	114.938	10.73	0.937
8	22	28	81.005	12.254	116.633	93.93	0.796
8	22	30	115.871	9.456	165.144	358.48	0.971
8	22	32	52.702	15.827	32.142	349.98	0.853
8	22	34	54.973	19.252	17.623	162.70	0.252
8	23	1	214.575	3.610	265.496	263.22	0.980
8	23	3	180.382	3.329	229.613	97.25	0.973
8	23	5	122.964	5.231	114.254	172.20	0.951
8	23	7	118.090	5.890	144.532	92.67	0.915
8	23	9	316.655	3.985	443.146	291.42	0.990
8	23	11	541.598	4.686	775.944	33.91	0.997
8	23	13	108.333	5.880	135.888	110.98	0.932
8	23	15	108.438	6.939	164.678	73.18	0.884
8	23	17	281.977	3.712	450.765	190.69	0.991
8	23	19	249.694	3.802	320.383	137.84	0.992
8	23	21	54.133	12.576	39.149	49.13	0.760
8	23	23	53.508	10.577	12.130	188.18	0.224

8	23	25	137.399	5.244	159.047	353.62	0.977
8	23	27	42.355	13.428	18.219	338.12	0.410
8	23	29	89.623	14.169	85.149	46.45	0.959
8	23	31	57.179	22.008	35.750	14.59	0.759
8	23	33	37.518	13.162	13.535	98.09	0.345
8	24	0	174.870	5.806	245.915	0.00	1.000
8	24	2	320.722	3.893	508.826	175.36	0.988
8	24	4	395.281	3.942	525.506	264.64	0.994
8	24	6	145.622	6.169	163.611	170.13	0.971
8	24	8	91.397	14.570	102.805	255.29	0.900
8	24	10	121.033	6.711	159.158	318.31	0.947
8	24	12	196.067	4.227	284.419	262.66	0.980
8	24	14	133.828	5.094	170.532	144.19	0.960
8	24	16	219.955	3.938	320.376	126.61	0.988
8	24	18	134.446	6.257	157.202	228.70	0.971
8	24	20	79.632	11.026	93.116	294.21	0.902
8	24	22	109.223	7.226	150.770	302.83	0.945
8	24	24	47.924	12.591	29.867	310.86	0.713
8	24	26	62.431	14.046	65.277	351.00	0.654
8	24	28	43.556	12.790	29.042	121.93	0.766
8	24	30	39.943	19.177	8.623	184.32	0.417
8	24	32	44.907	12.611	22.044	130.21	0.810
8	25	1	484.299	4.388	663.250	204.65	0.997
8	25	3	166.991	4.743	238.856	168.95	0.972
8	25	5	63.035	10.160	49.551	55.79	0.468
8	25	7	226.251	4.646	364.610	288.62	0.982
8	25	9	112.484	7.829	181.200	204.57	0.888
8	25	11	164.070	4.417	184.974	66.20	0.983
8	25	13	49.646	11.380	23.310	172.88	0.299
8	25	15	234.605	4.114	295.996	20.18	0.992
8	25	17	238.153	3.586	318.970	58.02	0.991
8	25	19	101.840	7.168	169.033	344.82	0.910
8	25	21	97.246	9.420	160.332	18.30	0.866
8	25	23	150.544	6.667	212.198	308.76	0.977
8	25	25	105.052	11.325	183.419	310.30	0.942
8	25	27	62.125	15.457	40.038	124.93	0.363
8	25	29	152.836	8.321	270.650	174.19	0.975
8	26	0	92.247	14.570	115.980	180.00	0.901
8	26	2	98.770	7.669	114.782	229.47	0.926
8	26	4	53.943	12.218	24.694	133.78	0.697
8	26	6	224.356	4.796	278.698	203.46	0.991
8	26	8	183.603	5.630	247.336	326.51	0.984
8	26	10	159.246	7.957	182.446	323.91	0.981
8	26	12	129.627	7.247	195.393	195.47	0.962
8	26	14	132.820	5.359	183.940	44.41	0.966
8	26	16	105.532	8.427	117.257	176.14	0.954
8	26	18	132.648	5.011	235.815	127.42	0.933
8	26	20	44.282	11.685	10.586	249.32	0.843
8	26	22	56.599	10.220	18.678	234.19	0.894
8	26	24	96.633	10.497	131.835	244.44	0.959
8	26	26	42.522	13.420	21.244	155.14	0.366
8	26	28	37.616	12.639	16.180	303.80	0.511
8	27	1	56.188	12.083	50.211	18.32	0.587
8	27	3	335.386	3.846	525.616	312.70	0.995
8	27	5	74.619	11.032	82.283	152.70	0.894
8	27	7	134.120	8.752	176.016	257.02	0.970
8	27	9	148.318	5.825	273.788	27.52	0.958
8	27	11	98.100	9.520	73.112	17.34	0.960
8	27	13	34.792	10.135	13.188	66.86	0.619
8	27	15	81.563	9.574	78.414	220.39	0.926
8	27	17	31.738	10.439	3.194	317.79	0.162
8	27	19	72.095	8.995	76.711	230.73	0.900
8	27	21	67.827	12.794	70.172	305.11	0.845
8	27	23	91.618	11.580	111.207	340.80	0.958
8	27	25	45.455	14.846	15.636	31.01	0.846
8	28	0	167.322	6.655	234.547	180.00	1.000
8	28	2	93.622	8.205	93.439	277.89	0.947
8	28	4	105.540	6.841	121.353	128.07	0.955
8	28	6	97.282	8.436	120.443	357.45	0.942
8	28	8	71.076	11.988	55.149	24.62	0.902
8	28	10	190.927	4.886	324.765	15.07	0.979
8	28	12	108.278	7.788	162.179	5.70	0.943
8	28	14	31.658	9.803	3.982	116.31	0.468
8	28	16	56.001	11.745	39.287	196.52	0.396
8	28	18	117.111	7.642	224.157	192.09	0.906
8	28	20	78.291	13.394	122.463	183.37	0.897
8	28	22	40.296	12.486	25.403	16.29	0.578

8	28	24	62.338	14.097	76.756	326.79	0.858
8	28	26	57.794	14.371	58.519	71.96	0.813
8	29	1	76.741	8.629	105.758	85.73	0.878
8	29	3	39.102	11.603	3.819	170.86	0.702
8	29	5	42.410	11.640	16.432	157.32	0.799
8	29	7	46.799	11.615	18.520	233.21	0.304
8	29	9	126.550	5.166	205.253	333.95	0.955
8	29	11	104.219	10.237	153.892	239.07	0.947
8	29	13	64.713	11.678	45.447	223.54	0.900
8	29	15	125.951	8.104	173.058	215.72	0.967
8	29	17	84.514	9.744	151.944	170.95	0.815
8	29	19	39.649	11.833	24.144	297.15	0.663
8	29	21	50.320	13.804	27.067	310.38	0.320
8	29	23	45.698	14.359	24.872	187.53	0.476
8	30	0	35.783	14.595	14.684	180.00	0.300
8	30	2	78.728	7.803	77.686	51.07	0.935
8	30	4	78.205	11.499	97.300	51.17	0.912
8	30	6	74.990	11.065	94.270	25.68	0.899
8	30	8	87.367	10.852	105.996	42.92	0.929
8	30	10	50.215	11.410	36.706	53.88	0.607
8	30	12	35.036	11.522	7.168	217.15	0.241
8	30	14	80.042	14.134	129.058	117.17	0.894
8	30	16	38.685	12.061	21.641	150.45	0.519
8	30	18	61.012	13.316	39.791	313.39	0.376
8	30	20	55.084	13.765	44.039	18.71	0.886
8	30	22	53.651	14.654	49.672	242.00	0.792
8	31	1	39.343	11.195	8.459	86.47	0.490
8	31	3	81.934	9.793	131.928	317.81	0.850
8	31	5	47.314	11.581	32.205	74.57	0.643
8	31	7	102.141	7.591	164.939	91.86	0.936
8	31	9	61.440	12.268	46.842	52.64	0.931
8	31	11	50.168	13.043	46.335	75.38	0.849
8	31	13	52.815	16.605	33.865	169.70	0.868
8	31	15	40.896	14.062	23.989	193.54	0.559
8	31	17	37.954	12.098	16.778	182.00	0.466
8	31	19	42.655	13.136	25.005	125.95	0.735
8	32	0	125.717	10.672	163.065	180.00	0.946
8	32	2	46.487	11.787	34.934	338.75	0.848
8	32	4	74.802	11.263	106.106	208.17	0.638
8	32	6	36.217	11.194	16.708	339.78	0.555
8	32	8	53.219	14.598	54.866	84.00	0.819
8	32	10	31.526	10.944	15.459	60.26	0.770
8	32	12	46.419	13.340	38.435	325.43	0.809
8	32	14	41.557	13.139	28.372	250.84	0.598
8	32	16	44.493	19.148	11.509	328.18	0.484
8	33	1	35.313	11.186	13.533	94.39	0.662
8	33	3	63.300	12.230	33.944	136.14	0.946
8	33	5	92.314	14.434	154.697	248.82	0.821
8	33	7	52.739	16.366	42.441	172.96	0.850
8	33	9	84.304	10.128	151.517	204.96	0.856
8	33	11	48.963	14.001	22.782	245.93	0.315
8	33	13	82.061	17.246	85.325	51.66	0.927
8	34	0	38.012	25.807	13.731	0.00	0.349
8	34	2	39.510	12.111	20.646	153.04	0.393
8	34	4	48.493	12.897	41.992	125.50	0.572
8	34	6	36.909	11.362	20.052	289.95	0.562
9	0	1	99.630	1.890	124.973	180.00	0.886
9	0	3	20.090	5.993	15.768	180.00	0.554
9	0	5	158.671	2.092	163.887	0.00	0.730
9	0	7	263.832	3.660	373.067	0.00	1.000
9	0	9	101.471	2.999	101.369	0.00	0.708
9	0	11	432.529	5.210	608.763	180.00	1.000
9	0	13	91.672	3.501	124.160	180.00	0.967
9	0	15	109.459	3.726	151.399	180.00	0.989
9	0	17	354.384	4.525	493.387	180.00	1.000
9	0	19	109.949	4.620	1.104	0.00	0.007
9	0	21	454.518	5.702	626.557	0.00	1.000
9	0	23	23.293	11.054	18.425	0.00	0.585
9	0	25	445.923	6.572	607.346	180.00	1.000
9	0	27	182.396	6.500	246.742	0.00	1.000
9	0	29	33.517	13.608	13.625	0.00	0.304
9	0	31	61.909	15.083	81.952	0.00	0.999
9	0	33	243.811	6.618	321.981	0.00	1.000
9	0	35	186.059	6.030	243.431	0.00	1.000
9	0	37	44.394	16.811	12.391	0.00	0.219
9	0	39	59.806	16.764	38.268	0.00	0.512
9	0	41	26.621	13.317	9.735	0.00	0.296

9	0	43	30.623	22.436	6.892	180.00	0.225
9	1	0	1090.523	16.166	1545.755	180.00	1.000
9	1	2	491.908	4.564	692.563	214.66	0.995
9	1	4	228.636	1.851	326.059	275.34	0.994
9	1	6	314.975	2.711	382.245	131.13	0.988
9	1	8	73.301	2.344	73.252	87.20	0.986
9	1	10	150.014	2.013	189.029	151.63	0.981
9	1	12	85.057	2.934	38.999	338.06	0.919
9	1	14	125.925	2.600	149.419	289.76	0.984
9	1	16	330.997	3.084	498.529	249.80	0.991
9	1	18	160.882	2.677	194.902	2.25	0.958
9	1	20	233.098	2.754	343.018	275.77	0.983
9	1	22	389.116	3.446	501.950	31.51	0.994
9	1	24	90.424	5.164	95.626	208.59	0.841
9	1	26	427.976	3.783	602.040	80.02	0.994
9	1	28	73.591	7.158	18.510	92.43	0.887
9	1	30	171.286	4.377	238.221	235.83	0.954
9	1	32	217.481	4.451	329.865	357.48	0.978
9	1	34	148.308	6.182	201.278	82.10	0.970
9	1	36	168.017	5.450	199.662	13.22	0.980
9	1	38	108.501	11.498	157.730	141.77	0.919
9	1	40	37.301	11.453	7.130	112.45	0.168
9	1	42	55.392	15.324	34.323	194.47	0.858
9	2	1	720.855	9.080	985.756	187.00	0.997
9	2	3	294.468	2.690	482.880	46.80	0.980
9	2	5	164.361	1.614	223.994	313.39	0.978
9	2	7	401.792	3.245	540.801	159.35	0.992
9	2	9	283.598	2.606	438.782	193.43	0.979
9	2	11	171.877	2.043	239.762	341.53	0.976
9	2	13	63.626	4.560	47.189	16.15	0.637
9	2	15	127.507	2.480	194.637	74.52	0.910
9	2	17	275.605	2.718	385.741	326.10	0.984
9	2	19	62.664	5.279	6.900	148.27	0.178
9	2	21	73.472	5.980	40.042	78.33	0.853
9	2	23	242.389	2.962	311.785	57.14	0.984
9	2	25	186.589	2.941	303.383	90.77	0.952
9	2	27	156.020	4.034	208.222	222.68	0.954
9	2	29	97.381	6.181	80.506	26.00	0.869
9	2	31	95.391	8.154	106.525	102.03	0.898
9	2	33	54.897	12.451	19.680	102.29	0.636
9	2	35	231.557	4.101	318.590	204.19	0.988
9	2	37	132.489	6.826	202.969	30.81	0.950
9	2	39	61.246	11.793	56.628	265.76	0.678
9	2	41	83.268	15.673	93.527	219.32	0.931
9	2	43	51.239	17.020	24.855	49.34	0.420
9	3	0	1256.613	20.374	1779.493	0.00	1.000
9	3	2	876.704	8.672	1276.200	80.13	0.998
9	3	4	284.647	2.348	372.597	340.84	0.983
9	3	6	199.005	1.838	266.405	31.45	0.971
9	3	8	309.600	2.586	407.028	97.16	0.992
9	3	10	125.433	1.946	186.356	303.84	0.987
9	3	12	186.180	2.301	254.402	255.30	0.968
9	3	14	540.825	4.432	772.431	155.57	0.996
9	3	16	393.448	3.801	553.707	39.76	0.993
9	3	18	345.209	3.079	541.102	93.46	0.986
9	3	20	316.797	3.048	496.294	158.63	0.984
9	3	22	343.269	3.217	502.306	66.93	0.992
9	3	24	324.255	3.180	472.652	47.16	0.990
9	3	26	72.435	6.589	62.172	274.92	0.699
9	3	28	157.577	4.131	183.246	279.84	0.966
9	3	30	162.465	4.610	190.740	252.35	0.959
9	3	32	101.601	8.671	128.436	252.53	0.905
9	3	34	45.334	12.033	4.114	316.52	0.675
9	3	36	157.506	5.975	270.384	124.14	0.958
9	3	38	117.112	6.628	196.954	119.24	0.920
9	3	40	76.366	11.182	90.784	202.53	0.871
9	3	42	50.847	14.200	5.774	77.64	0.889
9	4	1	451.596	4.572	615.648	68.94	0.994
9	4	3	222.188	1.842	338.956	24.16	0.976
9	4	5	459.369	3.808	688.333	51.00	0.993
9	4	7	535.562	4.310	754.911	101.52	0.995
9	4	9	143.234	2.091	195.613	105.94	0.973
9	4	11	294.384	2.849	474.059	281.62	0.985
9	4	13	74.358	3.630	80.346	215.57	0.759
9	4	15	277.857	2.585	397.377	10.06	0.984
9	4	17	274.904	2.759	354.158	324.57	0.986
9	4	19	67.275	5.064	25.462	168.23	0.801

9	4	21	273.667	2.994	364.828	282.98	0.988
9	4	23	435.137	3.712	622.040	358.81	0.995
9	4	25	343.857	3.284	495.753	88.37	0.991
9	4	27	440.528	4.025	613.202	73.36	0.995
9	4	29	133.472	4.339	185.241	320.01	0.925
9	4	31	200.415	4.588	231.666	184.10	0.982
9	4	33	251.713	3.942	401.907	206.32	0.982
9	4	35	101.075	9.462	141.343	349.54	0.913
9	4	37	65.440	11.103	22.480	139.95	0.244
9	4	39	50.876	12.483	29.391	190.09	0.431
9	4	41	38.159	12.428	12.372	95.63	0.512
9	4	43	41.602	19.519	5.430	321.93	0.362
9	5	0	240.319	3.312	340.896	0.00	1.000
9	5	2	589.165	5.517	861.910	168.25	0.996
9	5	4	443.848	3.797	618.348	161.30	0.993
9	5	6	177.354	2.016	247.080	1.07	0.964
9	5	8	194.244	2.008	245.703	99.91	0.990
9	5	10	127.443	1.962	132.699	304.14	0.987
9	5	12	315.253	3.276	484.458	253.54	0.987
9	5	14	314.956	2.998	421.129	329.10	0.990
9	5	16	479.750	5.456	636.838	18.84	0.995
9	5	18	310.004	2.886	405.814	275.91	0.987
9	5	20	412.736	3.627	593.195	184.39	0.991
9	5	22	86.212	4.282	10.292	76.69	0.954
9	5	24	505.781	4.369	668.785	45.04	0.996
9	5	26	261.207	3.488	379.279	124.48	0.984
9	5	28	321.889	3.607	507.863	193.05	0.984
9	5	30	83.260	7.800	85.587	94.57	0.726
9	5	32	97.811	8.561	116.054	329.23	0.904
9	5	34	76.837	11.868	66.443	275.35	0.907
9	5	36	196.367	5.068	265.269	283.54	0.983
9	5	38	118.213	6.687	214.267	46.32	0.861
9	5	40	67.911	24.078	61.968	357.53	0.807
9	5	42	90.868	14.516	116.778	349.52	0.934
9	6	1	96.351	2.260	119.304	1.38	0.868
9	6	3	221.178	2.336	338.930	206.92	0.967
9	6	5	495.101	5.448	693.350	153.20	0.995
9	6	7	203.900	2.165	276.901	56.55	0.978
9	6	9	295.675	2.608	422.736	251.93	0.991
9	6	11	267.522	2.613	385.571	351.95	0.983
9	6	13	244.745	2.408	345.102	337.91	0.978
9	6	15	293.456	2.809	363.931	25.18	0.987
9	6	17	99.439	3.599	49.365	319.50	0.286
9	6	19	294.547	2.891	392.870	228.48	0.986
9	6	21	85.803	3.864	65.485	223.59	0.931
9	6	23	379.069	3.390	535.313	247.63	0.993
9	6	25	68.790	7.368	11.456	112.91	0.853
9	6	27	196.705	3.409	319.053	263.08	0.963
9	6	29	88.356	7.556	92.472	321.23	0.766
9	6	31	326.473	3.615	488.925	256.44	0.991
9	6	33	116.337	6.127	153.462	161.11	0.952
9	6	35	150.888	6.997	239.907	329.99	0.962
9	6	37	81.456	10.497	79.240	304.81	0.900
9	6	39	129.822	6.633	172.733	44.89	0.964
9	6	41	50.385	14.110	36.671	89.38	0.812
9	6	43	56.284	23.547	19.161	171.19	0.723
9	7	0	355.503	3.861	504.182	180.00	1.000
9	7	2	373.588	5.093	527.054	329.19	0.990
9	7	4	233.160	2.052	345.999	190.30	0.976
9	7	6	300.216	2.592	389.706	199.01	0.990
9	7	8	124.801	2.405	126.762	173.67	0.943
9	7	10	234.735	2.320	326.944	331.07	0.980
9	7	12	151.751	2.371	193.306	312.79	0.959
9	7	14	221.577	2.419	325.349	167.35	0.973
9	7	16	315.430	2.964	397.648	129.80	0.990
9	7	18	503.534	4.265	663.444	292.15	0.995
9	7	20	397.684	4.345	621.139	47.50	0.993
9	7	22	264.461	2.895	368.777	258.79	0.987
9	7	24	241.375	3.146	314.723	263.06	0.983
9	7	26	111.187	4.545	142.397	249.62	0.907
9	7	28	311.881	3.362	401.406	185.18	0.989
9	7	30	372.738	3.930	565.733	292.16	0.993
9	7	32	71.553	9.862	53.562	108.63	0.847
9	7	34	115.712	6.321	155.261	179.78	0.949
9	7	36	133.793	6.233	179.685	251.14	0.962
9	7	38	124.255	6.202	155.551	47.82	0.963
9	7	40	65.949	12.966	81.992	59.82	0.811

9	7	42	45.161	15.176	23.435	339.08	0.643
9	8	1	158.686	1.843	145.804	196.78	0.977
9	8	3	50.788	4.768	61.802	182.88	0.921
9	8	5	185.848	1.992	248.909	292.45	0.984
9	8	7	233.313	2.239	318.555	278.05	0.981
9	8	9	301.111	3.264	432.995	211.58	0.991
9	8	11	300.612	2.790	401.957	264.16	0.990
9	8	13	124.079	2.564	197.322	239.29	0.938
9	8	15	274.656	2.705	373.065	160.47	0.977
9	8	17	442.414	3.734	637.737	17.72	0.993
9	8	19	500.255	4.345	680.150	140.16	0.996
9	8	21	31.192	8.828	83.295	309.07	0.650
9	8	23	232.688	2.909	315.236	30.77	0.982
9	8	25	308.621	3.268	437.514	202.90	0.989
9	8	27	73.687	9.655	11.013	187.34	0.885
9	8	29	248.959	3.810	305.243	234.30	0.983
9	8	31	262.014	3.716	381.288	64.61	0.987
9	8	33	92.881	8.128	138.480	7.46	0.876
9	8	35	94.723	7.700	95.595	75.90	0.941
9	8	37	132.378	5.620	196.011	185.71	0.961
9	8	39	64.727	11.776	76.540	197.84	0.858
9	8	41	55.099	16.245	42.813	303.90	0.541
9	8	43	37.440	18.720	13.343	119.54	0.553
9	9	0	93.551	3.097	124.354	0.00	0.939
9	9	2	268.891	2.861	392.712	278.41	0.986
9	9	4	361.439	3.791	570.662	32.74	0.990
9	9	6	153.282	2.081	205.782	63.39	0.949
9	9	8	155.487	2.230	142.538	301.37	0.980
9	9	10	229.778	2.613	343.298	71.65	0.980
9	9	12	189.593	2.377	271.109	219.84	0.971
9	9	14	143.152	2.533	226.264	343.47	0.888
9	9	16	433.649	4.097	616.557	31.27	0.993
9	9	18	227.102	2.678	413.892	238.62	0.964
9	9	20	118.950	4.073	107.087	180.29	0.953
9	9	22	152.753	3.406	217.439	110.62	0.954
9	9	24	410.154	3.852	618.940	271.46	0.993
9	9	26	538.823	4.677	728.284	61.01	0.996
9	9	28	114.320	5.246	144.406	70.37	0.897
9	9	30	461.476	4.474	705.308	228.32	0.996
9	9	32	352.236	3.752	481.128	123.97	0.995
9	9	34	98.045	8.145	101.784	108.33	0.941
9	9	36	94.990	8.551	146.770	157.68	0.847
9	9	38	48.959	12.888	23.965	226.62	0.551
9	9	40	46.572	14.103	32.518	116.84	0.633
9	9	42	62.768	27.643	7.116	265.90	0.784
9	10	1	263.823	2.289	385.091	19.25	0.985
9	10	3	310.759	3.285	486.123	186.23	0.982
9	10	5	95.428	3.169	144.955	123.07	0.902
9	10	7	196.040	2.320	287.286	303.25	0.969
9	10	9	175.813	2.199	279.848	97.76	0.989
9	10	11	168.178	2.812	219.334	329.13	0.960
9	10	13	40.116	6.687	10.893	142.27	0.211
9	10	15	213.311	2.605	276.844	98.17	0.988
9	10	17	137.402	3.212	189.344	235.38	0.962
9	10	19	237.304	2.872	288.559	144.90	0.985
9	10	21	196.796	2.920	255.219	112.07	0.984
9	10	23	464.208	4.087	661.699	312.48	0.995
9	10	25	333.127	3.648	470.397	118.23	0.989
9	10	27	340.597	3.511	416.887	55.55	0.992
9	10	29	85.142	7.812	100.458	299.26	0.864
9	10	31	271.912	4.034	400.506	193.64	0.991
9	10	33	84.321	9.609	114.660	36.23	0.859
9	10	35	176.802	4.383	197.482	210.85	0.983
9	10	37	139.698	6.451	189.103	357.45	0.969
9	10	39	36.357	11.283	12.498	259.89	0.839
9	10	41	53.515	16.521	42.278	63.96	0.604
9	11	0	18.657	8.425	7.782	0.00	0.313
9	11	2	117.700	2.907	179.467	190.79	0.898
9	11	4	202.351	2.822	301.437	249.52	0.970
9	11	6	354.832	3.315	449.522	47.42	0.992
9	11	8	169.492	2.472	288.814	149.65	0.954
9	11	10	38.452	7.262	27.519	290.80	0.499
9	11	12	120.498	3.898	161.273	345.19	0.924
9	11	14	327.045	3.069	463.116	264.89	0.987
9	11	16	288.948	2.919	503.987	62.87	0.984
9	11	18	210.838	2.730	320.094	287.89	0.971
9	11	20	311.142	3.141	376.906	137.20	0.991

9	11	22	256.344	2.914	395.840	217.84	0.982
9	11	24	265.259	3.080	324.229	281.41	0.987
9	11	26	171.675	3.870	245.549	326.06	0.957
9	11	28	61.715	9.437	32.892	226.28	0.355
9	11	30	209.333	4.006	315.459	15.42	0.978
9	11	32	217.926	3.876	318.943	72.57	0.986
9	11	34	57.909	11.558	42.418	128.90	0.783
9	11	36	129.160	5.668	154.611	212.69	0.969
9	11	38	48.209	12.152	13.370	290.77	0.885
9	11	40	46.974	14.666	4.947	99.50	0.875
9	12	1	422.262	3.376	652.175	11.43	0.993
9	12	3	269.442	2.823	389.787	271.29	0.991
9	12	5	299.766	2.923	452.226	45.44	0.987
9	12	7	386.881	3.295	609.528	96.83	0.991
9	12	9	596.370	5.252	912.675	150.89	0.996
9	12	11	115.907	2.765	155.265	0.46	0.822
9	12	13	229.418	2.777	333.978	64.50	0.977
9	12	15	259.633	2.742	389.995	114.00	0.988
9	12	17	124.636	3.140	163.749	236.18	0.962
9	12	19	169.433	2.794	224.122	37.27	0.966
9	12	21	490.376	4.313	731.497	116.57	0.996
9	12	23	248.516	2.981	391.838	353.86	0.977
9	12	25	119.547	4.749	181.782	352.99	0.865
9	12	27	171.059	3.950	298.924	296.09	0.943
9	12	29	179.638	4.882	347.217	70.72	0.943
9	12	31	91.001	7.953	121.583	250.07	0.905
9	12	33	100.878	8.338	149.380	61.70	0.795
9	12	35	107.248	7.518	178.291	31.33	0.910
9	12	37	45.950	12.287	7.091	315.23	0.761
9	12	39	53.129	15.748	27.030	8.52	0.372
9	12	41	53.602	17.171	37.635	195.35	0.628
9	13	0	206.438	3.696	292.399	180.00	1.000
9	13	2	312.904	2.795	506.547	355.40	0.985
9	13	4	323.293	4.846	504.817	227.25	0.987
9	13	6	165.129	2.489	183.505	271.98	0.970
9	13	8	403.603	3.360	567.159	190.20	0.993
9	13	10	182.789	2.649	264.639	114.41	0.959
9	13	12	196.746	2.614	302.457	5.30	0.968
9	13	14	361.413	3.567	491.589	97.36	0.993
9	13	16	148.816	2.704	223.829	7.03	0.948
9	13	18	86.012	5.187	100.285	65.79	0.822
9	13	20	232.308	3.257	331.779	90.57	0.979
9	13	22	236.548	3.306	368.721	129.64	0.979
9	13	24	127.293	4.009	174.134	310.05	0.916
9	13	26	35.802	10.370	22.025	339.57	0.520
9	13	28	172.584	4.949	326.160	75.36	0.944
9	13	30	57.270	11.402	47.209	56.64	0.568
9	13	32	70.571	9.731	54.839	62.32	0.895
9	13	34	39.110	10.930	2.294	200.67	0.403
9	13	36	83.434	8.373	100.742	171.45	0.910
9	13	38	62.985	15.812	45.605	330.41	0.900
9	13	40	43.953	14.404	23.843	48.45	0.634
9	14	1	195.252	2.376	296.679	95.34	0.975
9	14	3	87.088	5.508	97.761	18.43	0.859
9	14	5	328.442	3.268	498.390	100.16	0.988
9	14	7	312.539	2.925	415.959	234.01	0.988
9	14	9	218.418	2.576	275.670	312.16	0.986
9	14	11	244.333	2.924	326.811	103.53	0.987
9	14	13	291.847	2.940	495.441	29.17	0.983
9	14	15	404.443	3.979	652.466	97.98	0.993
9	14	17	362.076	3.503	546.853	342.82	0.991
9	14	19	117.827	4.773	145.650	137.40	0.930
9	14	21	395.223	4.011	579.175	246.26	0.993
9	14	23	411.059	4.040	576.238	236.56	0.993
9	14	25	221.332	3.785	311.447	280.92	0.983
9	14	27	176.370	4.265	234.892	17.25	0.974
9	14	29	46.536	12.598	18.106	74.28	0.434
9	14	31	57.488	11.103	50.124	160.71	0.584
9	14	33	154.051	5.394	247.007	198.47	0.959
9	14	35	44.185	11.829	1.820	276.50	0.815
9	14	37	72.781	12.712	83.602	229.42	0.915
9	14	39	47.380	15.635	27.283	37.61	0.795
9	15	0	84.741	7.216	119.029	0.00	0.994
9	15	2	348.096	3.235	489.565	98.09	0.990
9	15	4	534.714	5.239	847.919	65.77	0.995
9	15	6	549.068	4.997	812.691	101.24	0.996
9	15	8	386.131	3.330	524.320	196.93	0.992

9	15	10	259.086	2.710	408.946	281.35	0.983
9	15	12	326.222	3.379	422.516	357.04	0.992
9	15	14	261.643	2.953	417.576	180.29	0.983
9	15	16	171.767	3.116	185.103	189.05	0.972
9	15	18	230.868	3.151	272.116	335.56	0.985
9	15	20	171.982	3.176	274.686	104.71	0.951
9	15	22	194.567	3.685	272.339	176.43	0.966
9	15	24	260.633	3.529	348.562	332.99	0.989
9	15	26	268.879	3.702	341.926	83.57	0.990
9	15	28	159.903	4.453	188.749	208.10	0.979
9	15	30	266.709	4.115	372.466	246.00	0.991
9	15	32	113.083	6.787	198.238	31.42	0.880
9	15	34	57.619	12.083	10.321	287.43	0.892
9	15	36	41.778	12.577	13.863	318.78	0.815
9	15	38	55.699	17.117	49.741	25.08	0.731
9	16	1	138.843	2.858	185.280	8.09	0.927
9	16	3	206.415	2.765	303.833	50.76	0.979
9	16	5	171.625	5.031	245.569	194.38	0.966
9	16	7	89.075	3.836	37.180	307.91	0.245
9	16	9	128.421	3.015	172.715	241.81	0.969
9	16	11	201.402	2.798	352.867	343.11	0.933
9	16	13	400.183	4.090	577.237	282.99	0.994
9	16	15	734.717	6.224	1069.473	255.01	0.998
9	16	17	27.521	8.212	67.901	94.67	0.534
9	16	19	103.833	5.486	99.067	92.00	0.918
9	16	21	177.793	3.458	215.125	90.71	0.975
9	16	23	269.792	3.857	419.568	268.35	0.988
9	16	25	147.790	5.150	182.104	124.09	0.965
9	16	27	96.199	8.242	97.613	172.83	0.942
9	16	29	251.454	3.929	358.617	242.95	0.990
9	16	31	136.131	5.283	204.889	314.34	0.959
9	16	33	76.965	12.063	54.932	33.63	0.930
9	16	35	42.342	11.220	32.121	57.82	0.743
9	16	37	40.428	12.880	21.301	41.66	0.598
9	16	39	40.909	13.621	18.701	218.62	0.596
9	17	0	95.753	12.227	134.216	0.00	0.993
9	17	2	201.687	2.850	305.655	278.00	0.974
9	17	4	247.690	3.154	292.334	264.69	0.988
9	17	6	288.936	3.004	438.560	293.35	0.987
9	17	8	388.841	3.375	570.759	252.24	0.994
9	17	10	314.153	3.092	499.545	290.88	0.989
9	17	12	359.016	3.251	474.360	69.96	0.993
9	17	14	348.898	3.555	477.885	277.27	0.993
9	17	16	247.796	3.014	392.875	164.91	0.980
9	17	18	188.184	4.227	225.799	336.92	0.973
9	17	20	308.972	3.679	380.896	75.32	0.990
9	17	22	98.227	7.366	72.607	194.66	0.945
9	17	24	327.179	6.523	427.382	203.15	0.993
9	17	26	214.529	4.443	343.632	270.18	0.984
9	17	28	250.700	3.655	328.085	268.82	0.991
9	17	30	181.662	4.633	277.010	53.72	0.978
9	17	32	84.397	7.959	111.801	41.42	0.907
9	17	34	72.360	11.908	12.658	21.45	0.101
9	17	36	72.381	16.153	75.774	172.47	0.903
9	17	38	64.429	18.021	50.611	239.59	0.533
9	18	1	286.980	2.874	404.309	167.96	0.989
9	18	3	65.641	5.413	66.757	10.54	0.680
9	18	5	255.959	4.608	379.278	199.52	0.985
9	18	7	233.294	3.052	341.281	138.79	0.983
9	18	9	145.857	2.948	161.165	115.70	0.974
9	18	11	241.962	2.983	306.428	184.69	0.984
9	18	13	122.746	3.764	159.252	348.39	0.938
9	18	15	570.223	5.409	811.182	120.18	0.997
9	18	17	341.748	3.454	460.967	255.10	0.991
9	18	19	179.233	4.234	233.791	46.17	0.966
9	18	21	142.336	6.369	168.537	22.09	0.965
9	18	23	217.194	4.376	246.878	272.35	0.986
9	18	25	162.663	4.932	212.335	51.45	0.978
9	18	27	204.269	4.179	241.831	148.15	0.988
9	18	29	50.199	13.508	16.829	253.84	0.334
9	18	31	103.463	6.656	142.592	50.77	0.941
9	18	33	134.550	8.132	139.168	260.41	0.985
9	18	35	46.027	14.632	32.489	263.34	0.696
9	18	37	74.157	13.727	92.322	114.65	0.888
9	19	0	286.516	4.953	405.319	0.00	1.000
9	19	2	621.688	5.292	925.089	70.68	0.997
9	19	4	134.513	3.968	176.271	121.14	0.957

9	19	6	218.036	3.854	307.493	70.02	0.979
9	19	8	315.406	3.139	456.972	73.77	0.991
9	19	10	401.380	3.592	605.029	80.59	0.994
9	19	12	209.943	3.038	291.494	77.93	0.977
9	19	14	478.436	4.083	633.851	56.82	0.996
9	19	16	305.114	3.668	401.165	259.94	0.989
9	19	18	76.568	7.839	73.703	201.83	0.586
9	19	20	313.990	3.647	600.080	165.68	0.985
9	19	22	89.153	9.141	107.716	195.12	0.860
9	19	24	71.818	12.660	88.127	159.23	0.695
9	19	26	70.925	10.309	88.861	289.19	0.767
9	19	28	104.118	6.199	117.621	72.56	0.518
9	19	30	40.201	12.320	9.485	122.70	0.495
9	19	32	72.479	11.710	85.302	4.95	0.925
9	19	34	58.340	13.226	50.128	15.89	0.870
9	19	36	70.666	13.070	79.794	355.95	0.603
9	20	1	165.227	2.890	190.410	44.84	0.975
9	20	3	293.931	3.038	381.598	13.07	0.990
9	20	5	564.698	5.422	840.356	324.15	0.997
9	20	7	352.171	5.870	552.269	17.79	0.991
9	20	9	85.435	5.588	105.503	108.45	0.646
9	20	11	341.151	3.312	446.380	334.23	0.991
9	20	13	431.221	3.776	592.273	42.42	0.994
9	20	15	169.897	4.406	165.699	334.31	0.970
9	20	17	45.318	11.454	8.667	316.00	0.607
9	20	19	209.320	3.905	301.279	41.35	0.982
9	20	21	86.309	9.365	64.949	109.09	0.918
9	20	23	105.803	7.563	124.750	78.12	0.952
9	20	25	119.073	6.900	187.748	195.95	0.939
9	20	27	73.469	9.586	75.935	209.47	0.897
9	20	29	82.855	9.853	73.180	213.97	0.936
9	20	31	144.661	8.898	179.024	76.24	0.985
9	20	33	71.792	14.970	84.863	151.33	0.892
9	20	35	48.293	15.017	28.706	103.97	0.451
9	21	0	234.205	4.985	331.094	0.00	1.000
9	21	2	305.566	3.437	417.286	151.86	0.990
9	21	4	252.305	3.080	378.790	231.77	0.984
9	21	6	125.122	4.740	160.959	335.40	0.936
9	21	8	179.591	3.869	252.487	301.32	0.966
9	21	10	251.618	3.131	334.874	210.16	0.985
9	21	12	288.231	3.320	380.731	306.44	0.988
9	21	14	192.513	3.834	265.794	288.29	0.974
9	21	16	108.452	6.598	82.339	350.51	0.967
9	21	18	93.890	8.356	136.734	31.61	0.720
9	21	20	217.208	4.153	379.481	187.65	0.982
9	21	22	177.288	4.855	238.625	318.57	0.982
9	21	24	241.430	5.419	381.201	279.87	0.988
9	21	26	100.139	7.941	113.641	142.87	0.943
9	21	28	59.481	10.977	61.600	332.45	0.827
9	21	30	119.341	8.329	146.185	129.91	0.977
9	21	32	41.715	12.717	24.589	142.53	0.712
9	21	34	72.276	16.026	71.269	163.91	0.905
9	22	1	597.719	4.928	872.130	164.39	0.997
9	22	3	284.091	3.236	380.620	102.30	0.988
9	22	5	141.462	4.417	223.922	338.51	0.686
9	22	7	307.558	5.404	443.120	167.70	0.989
9	22	9	248.600	3.803	411.662	186.79	0.978
9	22	11	250.081	3.637	357.850	10.77	0.983
9	22	13	94.064	6.916	130.207	135.30	0.892
9	22	15	152.524	5.026	183.277	80.65	0.971
9	22	17	40.614	11.546	6.910	308.46	0.373
9	22	19	181.903	4.477	297.299	339.76	0.979
9	22	21	37.247	10.621	2.743	219.21	0.487
9	22	23	226.729	4.013	262.333	244.89	0.991
9	22	25	137.602	4.856	152.151	293.63	0.974
9	22	27	35.040	11.201	15.744	82.88	0.654
9	22	29	80.155	14.331	110.748	31.56	0.920
9	22	31	51.675	13.807	49.973	2.20	0.697
9	22	33	68.218	19.750	49.797	19.60	0.888
9	23	0	499.480	8.026	694.598	180.00	0.985
9	23	2	370.364	4.172	491.216	135.30	0.993
9	23	4	618.617	5.151	891.119	221.88	0.997
9	23	6	77.486	13.142	65.058	272.19	0.800
9	23	8	157.013	5.299	168.892	211.04	0.978
9	23	10	287.183	4.671	450.341	157.13	0.989
9	23	12	84.300	7.745	107.937	264.38	0.632
9	23	14	137.082	5.362	199.541	28.77	0.955

9	23	16	162.694	4.200	219.968	217.57	0.980
9	23	18	88.418	8.062	93.211	331.95	0.933
9	23	20	115.928	7.280	117.959	294.21	0.966
9	23	22	42.000	10.733	8.316	26.16	0.776
9	23	24	183.135	4.867	316.626	85.84	0.979
9	23	26	48.024	13.456	14.498	87.81	0.802
9	23	28	103.681	14.257	104.000	24.62	0.972
9	23	30	68.213	13.198	81.676	257.88	0.886
9	23	32	47.736	21.122	5.562	329.60	0.179
9	24	1	81.455	8.053	79.114	158.57	0.895
9	24	3	332.453	3.812	506.856	260.07	0.993
9	24	5	400.757	3.850	555.890	255.10	0.996
9	24	7	290.640	4.202	427.461	238.75	0.991
9	24	9	155.821	7.091	219.498	133.35	0.967
9	24	11	128.761	5.301	227.710	222.13	0.921
9	24	13	145.962	4.503	225.072	174.04	0.970
9	24	15	172.205	4.368	234.752	299.26	0.982
9	24	17	154.674	4.229	241.522	160.20	0.972
9	24	19	47.105	11.049	26.031	105.63	0.476
9	24	21	42.713	11.893	12.114	203.88	0.557
9	24	23	127.774	7.393	193.804	330.30	0.963
9	24	25	51.011	13.576	3.184	82.72	0.070
9	24	27	46.469	14.335	21.376	98.98	0.842
9	24	29	102.803	14.895	160.846	24.01	0.932
9	24	31	57.384	15.228	51.991	21.06	0.669
9	25	0	144.061	9.769	202.232	0.00	0.997
9	25	2	324.039	4.354	397.380	11.41	0.994
9	25	4	56.508	10.317	41.228	11.46	0.551
9	25	6	136.883	5.659	168.652	262.98	0.963
9	25	8	56.440	11.759	31.797	256.85	0.723
9	25	10	180.410	4.736	290.115	84.03	0.979
9	25	12	75.591	10.197	39.324	77.65	0.933
9	25	14	43.186	10.854	5.447	145.68	0.713
9	25	16	157.206	4.407	221.284	92.68	0.977
9	25	18	85.946	7.500	101.656	91.47	0.921
9	25	20	98.085	7.486	142.019	358.41	0.925
9	25	22	42.430	10.982	25.465	37.62	0.567
9	25	24	38.956	12.326	20.620	350.67	0.492
9	25	26	51.720	14.343	39.037	255.02	0.862
9	25	28	47.584	12.861	29.797	295.13	0.417
9	25	30	36.419	12.752	6.869	4.31	0.671
9	26	1	177.485	5.741	250.669	7.64	0.983
9	26	3	150.493	5.465	152.753	11.99	0.981
9	26	5	207.785	3.850	320.488	46.11	0.986
9	26	7	95.556	9.770	78.440	276.91	0.955
9	26	9	213.045	5.939	307.065	58.19	0.988
9	26	11	48.608	12.854	29.772	181.22	0.649
9	26	13	129.188	5.453	222.031	239.00	0.946
9	26	15	88.716	6.926	70.215	189.27	0.947
9	26	17	143.643	5.020	277.174	124.36	0.943
9	26	19	53.302	12.383	39.793	159.98	0.783
9	26	21	36.058	11.326	2.455	243.22	0.281
9	26	23	70.101	16.775	95.968	59.61	0.824
9	26	25	81.416	17.430	103.374	116.56	0.906
9	26	27	72.520	15.448	73.460	232.72	0.920
9	27	0	109.675	13.197	148.949	180.00	0.971
9	27	2	139.772	7.880	157.030	18.97	0.976
9	27	4	124.052	7.237	144.960	337.65	0.968
9	27	6	145.310	6.764	171.338	254.23	0.977
9	27	8	117.722	5.532	146.267	0.21	0.963
9	27	10	137.521	8.750	213.547	265.16	0.966
9	27	12	125.642	9.497	192.425	119.06	0.957
9	27	14	104.805	7.397	103.406	13.24	0.556
9	27	16	50.665	11.395	32.383	26.39	0.602
9	27	18	140.996	4.999	163.172	145.39	0.979
9	27	20	73.400	14.173	93.973	316.05	0.920
9	27	22	131.773	8.740	203.554	301.69	0.977
9	27	24	48.414	13.706	28.561	311.42	0.864
9	27	26	60.128	15.910	55.039	315.37	0.843
9	28	1	83.704	9.927	122.586	41.35	0.891
9	28	3	41.907	11.388	10.200	210.15	0.597
9	28	5	69.408	11.281	71.723	163.68	0.882
9	28	7	114.137	7.371	72.454	234.09	0.973
9	28	9	102.095	8.646	147.911	188.29	0.935
9	28	11	114.405	7.974	155.632	96.94	0.955
9	28	13	51.823	13.487	39.252	221.40	0.582
9	28	15	54.001	11.271	33.344	14.25	0.851

9	28	17	102.017	9.720	113.222	325.89	0.956
9	28	19	81.321	10.419	84.281	290.03	0.956
9	28	21	42.722	12.191	24.621	83.49	0.779
9	28	23	36.658	12.036	3.447	159.72	0.783
9	28	25	35.369	12.274	8.391	169.37	0.468
9	29	0	46.484	16.155	37.889	180.00	0.592
9	29	2	102.268	7.799	159.003	11.92	0.682
9	29	4	136.039	5.758	200.676	201.71	0.967
9	29	6	37.549	10.495	3.882	306.84	0.307
9	29	8	39.000	10.617	13.256	58.74	0.568
9	29	10	93.606	11.310	92.053	106.26	0.954
9	29	12	62.072	11.964	57.052	173.16	0.517
9	29	14	48.042	12.902	20.406	196.01	0.275
9	29	16	75.463	11.773	123.442	334.05	0.801
9	29	18	43.573	12.832	32.383	298.41	0.741
9	29	20	42.914	12.745	31.247	225.97	0.698
9	29	22	72.127	12.464	105.424	87.22	0.874
9	30	1	52.004	12.549	43.386	138.88	0.631
9	30	3	46.388	12.491	25.620	63.62	0.494
9	30	5	51.915	13.074	0.886	286.50	0.884
9	30	7	67.622	11.846	83.293	206.17	0.677
9	30	9	111.257	6.743	142.703	346.73	0.963
9	30	11	57.521	11.312	37.944	33.79	0.927
9	30	13	44.608	12.702	21.041	326.12	0.851
9	30	15	32.731	11.337	2.580	152.62	0.623
9	30	17	61.715	12.297	48.088	235.19	0.402
9	30	19	42.813	13.012	29.466	57.57	0.525
9	30	21	31.300	10.757	0.287	336.46	0.568
9	31	0	30.160	19.270	23.907	180.00	0.612
9	31	2	149.710	5.223	218.223	148.57	0.978
9	31	4	55.779	13.306	73.351	83.10	0.797
9	31	6	148.051	6.888	231.911	232.26	0.984
9	31	8	44.757	11.722	0.561	319.53	0.907
9	31	10	51.152	12.973	27.603	221.97	0.902
9	31	12	55.890	16.832	56.422	171.41	0.778
9	31	14	39.905	12.669	26.910	58.56	0.627
9	31	16	48.454	14.482	11.321	262.30	0.202
9	31	18	33.529	11.455	11.023	346.01	0.425
9	32	1	73.007	11.654	119.077	57.17	0.778
9	32	3	45.847	12.244	33.744	108.11	0.843
9	32	5	57.631	13.080	71.222	277.75	0.747
9	32	7	43.726	14.531	29.135	85.35	0.672
9	32	9	52.312	13.353	60.101	263.89	0.806
9	32	11	53.603	13.562	50.143	27.64	0.868
9	32	13	49.019	15.914	10.831	269.42	0.183
9	32	15	33.972	16.313	21.227	187.39	0.727
9	33	0	30.329	21.213	28.172	0.00	0.812
9	33	2	29.560	9.882	12.565	197.87	0.767
9	33	4	69.323	11.306	110.634	209.43	0.806
9	33	6	33.973	11.173	13.508	116.70	0.459
9	33	8	47.934	13.005	42.383	63.55	0.790
9	33	10	52.457	12.838	55.854	40.50	0.817
9	34	1	65.312	11.959	66.449	184.54	0.921
9	34	3	44.962	12.973	39.551	274.21	0.657
10	0	0	242.750	3.786	344.746	180.00	1.000
10	0	2	376.874	5.610	536.396	180.00	1.000
10	0	4	63.456	2.431	77.523	0.00	0.867
10	0	6	111.992	2.331	157.075	180.00	1.000
10	0	8	74.822	3.727	94.851	180.00	0.902
10	0	10	315.329	3.801	446.051	0.00	1.000
10	0	12	437.833	5.008	617.207	0.00	1.000
10	0	14	174.908	3.249	245.515	0.00	1.000
10	0	16	139.336	3.633	195.013	0.00	1.000
10	0	18	735.424	8.442	1024.626	0.00	1.000
10	0	20	329.796	4.439	457.478	0.00	1.000
10	0	22	19.386	9.390	3.056	0.00	0.117
10	0	24	28.315	10.908	14.018	0.00	0.389
10	0	26	283.383	4.316	386.129	0.00	1.000
10	0	28	20.969	10.185	5.804	180.00	0.206
10	0	30	36.149	13.674	37.743	0.00	0.798
10	0	32	160.404	6.973	213.400	0.00	1.000
10	0	34	44.350	16.846	39.370	180.00	0.681
10	0	36	169.990	7.631	221.694	180.00	1.000
10	0	38	40.939	17.883	31.735	0.00	0.619
10	0	40	88.708	14.208	110.361	180.00	1.000
10	0	42	38.086	18.606	12.685	180.00	0.286
10	1	1	342.738	3.381	485.387	193.31	0.988

10	1	3	520.013	5.307	708.081	294.39	0.995
10	1	5	219.406	1.854	356.263	157.00	0.965
10	1	7	154.083	1.652	241.825	239.29	0.927
10	1	9	372.398	3.086	564.465	237.44	0.991
10	1	11	129.009	2.207	152.322	327.36	0.941
10	1	13	331.494	2.847	397.668	82.21	0.991
10	1	15	610.026	5.350	832.464	207.52	0.997
10	1	17	172.219	2.707	251.001	114.69	0.952
10	1	19	263.479	2.987	371.910	56.43	0.981
10	1	21	250.953	2.865	264.542	241.90	0.987
10	1	23	415.201	3.723	574.531	334.71	0.994
10	1	25	122.112	4.218	111.435	31.15	0.944
10	1	27	186.220	3.964	228.104	56.16	0.969
10	1	29	114.994	6.059	90.371	227.13	0.929
10	1	31	241.701	3.994	313.542	5.17	0.986
10	1	33	193.972	4.291	245.681	175.07	0.985
10	1	35	70.917	10.701	47.710	105.73	0.366
10	1	37	65.335	12.462	62.334	304.93	0.774
10	1	39	106.183	6.705	109.512	111.46	0.956
10	1	41	35.750	11.585	9.514	210.07	0.541
10	1	43	36.652	13.133	9.449	217.83	0.493
10	2	0	310.058	5.105	440.819	0.00	1.000
10	2	2	271.361	2.652	339.300	130.58	0.986
10	2	4	408.858	4.201	599.496	241.51	0.991
10	2	6	51.648	3.435	44.367	208.93	0.623
10	2	8	201.606	2.077	266.272	172.75	0.988
10	2	10	303.450	2.676	355.227	158.77	0.992
10	2	12	258.998	2.506	400.397	90.05	0.977
10	2	14	435.206	3.782	606.325	254.51	0.994
10	2	16	322.817	3.050	483.715	237.20	0.987
10	2	18	293.554	2.894	449.360	30.36	0.989
10	2	20	209.951	2.709	292.121	166.79	0.983
10	2	22	211.362	2.758	322.100	309.88	0.974
10	2	24	212.054	3.147	311.446	273.55	0.975
10	2	26	280.735	3.258	372.082	288.62	0.987
10	2	28	326.826	3.488	390.865	216.38	0.990
10	2	30	152.245	4.818	197.046	130.60	0.970
10	2	32	177.129	4.642	249.140	108.66	0.970
10	2	34	191.444	5.209	222.025	127.16	0.985
10	2	36	119.033	6.903	129.573	356.39	0.961
10	2	38	41.846	12.096	6.903	159.64	0.680
10	2	40	121.220	8.853	167.025	304.73	0.971
10	2	42	62.079	13.757	73.251	356.55	0.820
10	3	1	394.022	5.506	614.464	163.32	0.990
10	3	3	362.873	3.768	523.833	152.07	0.989
10	3	5	339.918	3.329	521.198	260.83	0.986
10	3	7	241.783	2.132	367.655	173.96	0.983
10	3	9	468.805	4.124	645.702	144.02	0.995
10	3	11	132.060	2.298	200.598	216.60	0.880
10	3	13	149.053	2.308	214.226	337.19	0.946
10	3	15	270.042	2.644	358.704	90.91	0.983
10	3	17	143.570	2.899	210.072	5.07	0.938
10	3	19	434.672	4.250	649.822	95.09	0.993
10	3	21	160.515	3.215	254.293	158.07	0.950
10	3	23	259.447	3.057	308.804	47.47	0.987
10	3	25	262.044	3.037	350.256	46.24	0.986
10	3	27	121.604	5.118	155.179	218.45	0.911
10	3	29	136.121	4.795	110.613	46.26	0.951
10	3	31	77.688	8.439	74.691	164.03	0.859
10	3	33	39.867	11.907	2.551	244.78	0.173
10	3	35	143.454	5.679	200.478	166.64	0.967
10	3	37	76.111	11.719	72.281	59.07	0.887
10	3	39	42.248	12.650	9.398	326.17	0.333
10	3	41	67.111	13.469	79.584	292.30	0.865
10	3	43	55.251	16.278	45.770	320.03	0.690
10	4	0	82.139	4.577	112.826	180.00	0.983
10	4	2	499.755	4.762	734.724	75.39	0.994
10	4	4	317.970	2.514	452.058	53.87	0.988
10	4	6	290.117	2.404	430.801	208.97	0.993
10	4	8	213.949	2.129	335.021	193.74	0.981
10	4	10	186.363	2.055	224.191	313.14	0.977
10	4	12	345.043	3.238	493.391	327.00	0.992
10	4	14	105.993	3.349	120.656	157.86	0.954
10	4	16	287.054	2.830	374.597	153.99	0.987
10	4	18	103.379	3.513	150.031	317.21	0.948
10	4	20	176.643	2.726	228.987	277.20	0.970
10	4	22	411.417	3.622	588.492	143.79	0.994

10	4	24	278.536	3.235	387.710	23.92	0.989
10	4	26	324.580	3.459	499.673	92.15	0.988
10	4	28	100.400	6.121	125.945	275.15	0.824
10	4	30	162.422	4.391	194.028	19.63	0.974
10	4	32	84.933	7.473	107.128	333.58	0.712
10	4	34	125.595	7.660	188.589	209.34	0.948
10	4	36	114.693	8.746	142.554	274.05	0.949
10	4	38	80.093	9.413	95.342	326.01	0.905
10	4	40	59.732	12.062	49.440	221.11	0.898
10	4	42	60.629	16.657	52.322	350.14	0.818
10	5	1	257.004	2.560	357.454	345.91	0.986
10	5	3	632.602	6.061	900.850	45.36	0.997
10	5	5	229.022	2.422	339.329	319.15	0.984
10	5	7	159.238	1.872	215.986	28.11	0.983
10	5	9	93.762	2.380	32.303	265.99	0.256
10	5	11	120.958	2.245	134.554	13.15	0.972
10	5	13	255.329	2.741	435.322	53.83	0.974
10	5	15	271.568	2.607	432.119	31.30	0.980
10	5	17	393.906	3.566	566.273	318.31	0.992
10	5	19	68.073	4.893	36.542	83.01	0.919
10	5	21	360.767	3.260	485.034	335.34	0.993
10	5	23	231.209	2.795	335.217	168.83	0.981
10	5	25	328.854	3.297	399.424	175.34	0.992
10	5	27	351.232	3.497	474.174	193.27	0.991
10	5	29	124.670	5.990	156.465	97.53	0.929
10	5	31	173.723	5.498	231.821	202.98	0.973
10	5	33	184.107	4.538	209.263	88.80	0.984
10	5	35	127.650	7.282	235.460	16.81	0.832
10	5	37	108.831	7.048	140.664	322.45	0.952
10	5	39	111.169	9.324	163.876	299.50	0.933
10	5	41	48.288	13.094	31.384	5.64	0.781
10	5	43	61.213	26.718	4.851	3.62	0.746
10	6	0	39.417	8.479	33.146	0.00	0.625
10	6	2	314.613	4.023	473.713	288.35	0.988
10	6	4	226.692	2.103	356.848	35.32	0.981
10	6	6	236.790	2.187	357.473	301.84	0.987
10	6	8	187.272	2.086	263.672	357.02	0.980
10	6	10	327.660	2.976	471.812	238.39	0.990
10	6	12	201.540	2.328	316.021	39.09	0.983
10	6	14	558.157	4.557	730.269	136.25	0.996
10	6	16	89.343	4.085	104.976	266.84	0.799
10	6	18	403.289	3.870	548.830	309.11	0.993
10	6	20	164.420	2.627	230.954	72.19	0.957
10	6	22	315.304	3.031	515.347	60.82	0.987
10	6	24	212.976	2.895	291.077	309.95	0.977
10	6	26	150.343	3.869	187.712	324.56	0.957
10	6	28	200.255	3.711	299.146	121.11	0.966
10	6	30	123.242	6.154	170.476	10.55	0.942
10	6	32	169.473	4.240	217.257	56.68	0.980
10	6	34	51.774	11.169	16.771	358.20	0.243
10	6	36	39.387	11.619	10.774	111.38	0.530
10	6	38	33.493	10.478	4.897	205.04	0.249
10	6	40	71.414	13.512	87.663	88.39	0.889
10	6	42	69.783	15.323	85.222	346.90	0.812
10	7	1	108.711	1.875	160.734	3.18	0.987
10	7	3	99.614	2.451	131.927	21.00	0.887
10	7	5	117.085	2.028	152.197	239.34	0.973
10	7	7	235.446	2.318	285.630	353.48	0.991
10	7	9	69.736	4.464	3.209	320.84	0.866
10	7	11	34.894	5.772	37.302	89.25	0.767
10	7	13	235.363	2.497	272.453	47.29	0.987
10	7	15	68.209	4.218	53.197	335.84	0.722
10	7	17	283.514	2.854	436.690	328.90	0.984
10	7	19	146.790	2.855	224.747	120.11	0.934
10	7	21	212.876	3.113	262.409	319.59	0.980
10	7	23	164.335	3.151	197.461	273.45	0.971
10	7	25	146.628	3.823	217.087	46.56	0.946
10	7	27	102.918	5.073	132.418	104.87	0.827
10	7	29	193.963	3.541	246.067	336.58	0.980
10	7	31	253.310	4.118	360.674	299.38	0.984
10	7	33	174.433	4.859	225.293	127.15	0.980
10	7	35	100.447	7.755	107.726	15.82	0.942
10	7	37	151.782	5.471	168.158	85.34	0.979
10	7	39	42.528	11.300	27.854	223.05	0.745
10	7	41	68.195	11.508	88.105	309.70	0.885
10	8	0	165.383	2.643	235.033	180.00	1.000
10	8	2	330.483	4.453	426.305	120.23	0.991

10	8	4	235.125	2.167	313.094	217.53	0.984
10	8	6	223.168	2.211	267.950	264.76	0.984
10	8	8	292.830	2.879	418.946	95.09	0.987
10	8	10	56.537	5.062	10.985	345.73	0.700
10	8	12	79.338	3.611	40.249	91.59	0.836
10	8	14	258.246	2.659	387.280	345.55	0.981
10	8	16	535.995	4.895	778.965	80.88	0.995
10	8	18	250.477	2.679	321.794	46.36	0.988
10	8	20	269.738	2.885	316.016	162.56	0.989
10	8	22	93.189	4.386	54.513	212.15	0.920
10	8	24	155.348	3.543	217.491	247.09	0.955
10	8	26	199.697	3.752	301.879	316.35	0.967
10	8	28	305.462	3.909	425.850	131.10	0.987
10	8	30	161.096	5.572	222.059	69.22	0.965
10	8	32	92.390	7.421	93.441	139.09	0.938
10	8	34	207.167	4.138	318.668	204.16	0.983
10	8	36	166.543	5.132	232.404	116.19	0.979
10	8	38	34.599	11.119	8.929	343.97	0.520
10	8	40	80.403	13.298	85.047	43.99	0.934
10	8	42	55.127	14.796	49.528	194.12	0.782
10	9	1	490.579	3.973	700.234	133.18	0.996
10	9	3	183.848	2.297	219.852	157.36	0.971
10	9	5	215.927	2.087	330.952	158.30	0.989
10	9	7	57.600	5.491	72.028	275.43	0.861
10	9	9	182.318	2.512	206.586	207.32	0.972
10	9	11	265.010	2.609	418.730	42.14	0.982
10	9	13	64.806	4.706	75.634	276.35	0.887
10	9	15	339.951	3.251	531.924	48.25	0.988
10	9	17	126.541	3.005	190.076	181.35	0.964
10	9	19	119.910	3.310	164.642	14.64	0.960
10	9	21	94.416	5.000	80.235	33.62	0.908
10	9	23	164.017	3.920	252.261	346.78	0.961
10	9	25	100.650	5.294	126.571	305.21	0.846
10	9	27	121.834	4.642	176.176	59.59	0.885
10	9	29	89.317	8.090	77.172	127.59	0.931
10	9	31	306.594	3.891	467.562	343.64	0.992
10	9	33	205.726	4.767	292.787	215.88	0.984
10	9	35	60.406	11.542	11.003	299.41	0.883
10	9	37	111.616	6.959	165.121	355.52	0.945
10	9	39	39.704	11.260	4.403	253.16	0.852
10	9	41	48.934	14.448	24.572	116.21	0.851
10	10	0	292.271	3.652	415.846	180.00	1.000
10	10	2	230.278	2.644	289.256	117.13	0.981
10	10	4	80.686	3.869	101.386	267.58	0.837
10	10	6	509.378	4.190	733.463	27.84	0.996
10	10	8	383.297	3.201	517.602	57.08	0.992
10	10	10	345.064	3.606	504.516	181.39	0.989
10	10	12	87.561	4.212	76.832	74.57	0.876
10	10	14	94.177	3.324	105.669	46.37	0.821
10	10	16	256.398	2.894	405.252	352.69	0.982
10	10	18	207.497	2.771	339.674	113.64	0.967
10	10	20	118.221	3.543	104.671	32.38	0.943
10	10	22	274.829	3.072	331.606	240.02	0.988
10	10	24	180.700	3.338	258.303	111.02	0.962
10	10	26	331.276	3.534	424.538	101.51	0.990
10	10	28	216.511	3.905	290.177	180.82	0.983
10	10	30	201.287	4.163	295.587	261.76	0.984
10	10	32	141.673	5.614	198.997	300.48	0.967
10	10	34	193.752	4.944	325.797	343.15	0.977
10	10	36	46.865	11.678	23.887	187.02	0.475
10	10	38	78.488	11.851	99.117	286.18	0.923
10	10	40	55.945	14.575	50.555	15.88	0.602
10	11	1	318.168	3.116	488.856	346.32	0.990
10	11	3	95.859	4.316	112.402	174.64	0.854
10	11	5	396.389	3.764	539.078	3.78	0.994
10	11	7	226.003	2.286	328.781	35.13	0.987
10	11	9	149.188	2.970	228.879	330.99	0.912
10	11	11	310.413	3.056	424.302	204.54	0.990
10	11	13	81.959	4.332	104.377	105.51	0.927
10	11	15	204.713	2.775	256.917	184.77	0.979
10	11	17	410.416	4.105	562.838	224.56	0.995
10	11	19	146.239	3.388	182.650	17.26	0.971
10	11	21	40.976	8.874	34.342	332.21	0.621
10	11	23	399.474	3.618	549.278	181.35	0.993
10	11	25	159.873	3.888	243.661	129.62	0.945
10	11	27	319.054	3.629	489.222	172.88	0.991
10	11	29	213.474	4.212	289.246	228.48	0.982

10	11	31	170.662	5.182	212.392	143.69	0.981
10	11	33	115.770	6.191	107.893	271.50	0.965
10	11	35	103.682	7.216	138.108	200.14	0.945
10	11	37	54.459	10.776	11.770	140.85	0.164
10	11	39	37.625	11.762	15.565	179.24	0.561
10	11	41	46.564	14.985	16.298	158.27	0.389
10	12	0	18.530	8.561	9.132	0.00	0.348
10	12	2	162.214	2.366	195.947	91.75	0.956
10	12	4	190.999	2.875	229.102	119.74	0.970
10	12	6	229.216	2.334	272.130	338.80	0.979
10	12	8	154.476	2.531	160.606	247.87	0.966
10	12	10	227.022	2.885	333.782	268.32	0.974
10	12	12	213.248	2.707	331.364	16.19	0.967
10	12	14	277.200	3.063	360.843	38.37	0.988
10	12	16	297.602	2.980	387.449	256.29	0.990
10	12	18	198.210	3.092	335.330	306.89	0.965
10	12	20	202.004	3.169	366.825	288.25	0.959
10	12	22	260.257	3.120	377.470	188.54	0.984
10	12	24	156.527	3.869	291.789	189.59	0.872
10	12	26	234.123	3.437	325.157	348.83	0.985
10	12	28	198.261	4.827	236.272	265.95	0.981
10	12	30	172.089	4.742	215.872	192.55	0.981
10	12	32	65.549	10.928	66.258	256.29	0.806
10	12	34	86.554	8.054	112.750	208.96	0.888
10	12	36	44.721	12.489	13.656	13.41	0.664
10	12	38	37.290	11.052	5.585	216.91	0.754
10	12	40	67.987	19.176	60.076	81.77	0.847
10	13	1	135.808	2.472	156.915	180.70	0.985
10	13	3	287.203	3.050	473.699	312.43	0.982
10	13	5	494.251	7.235	744.035	95.07	0.994
10	13	7	317.425	2.808	437.678	265.16	0.989
10	13	9	254.446	2.528	374.778	38.07	0.979
10	13	11	506.034	4.455	688.812	147.68	0.997
10	13	13	306.578	3.223	412.454	162.87	0.992
10	13	15	185.279	3.013	271.449	297.98	0.967
10	13	17	217.176	2.819	271.351	212.22	0.986
10	13	19	432.075	3.987	579.777	213.53	0.995
10	13	21	200.932	3.508	276.431	168.24	0.975
10	13	23	224.825	3.524	326.045	230.43	0.978
10	13	25	261.661	3.385	400.832	349.86	0.988
10	13	27	73.859	10.137	69.633	320.35	0.526
10	13	29	47.615	12.114	10.379	209.46	0.772
10	13	31	67.366	11.534	67.627	36.36	0.838
10	13	33	65.055	11.711	64.959	174.89	0.793
10	13	35	85.619	8.743	84.927	212.39	0.931
10	13	37	41.055	12.154	16.921	61.47	0.294
10	13	39	72.135	15.232	52.990	160.05	0.419
10	14	0	28.598	11.394	8.034	0.00	0.198
10	14	2	118.122	3.171	152.114	77.39	0.903
10	14	4	184.261	4.240	314.907	57.74	0.947
10	14	6	362.989	3.375	503.473	104.09	0.991
10	14	8	215.975	2.518	331.441	168.14	0.977
10	14	10	246.075	2.662	317.601	336.77	0.986
10	14	12	224.555	2.797	363.572	219.93	0.977
10	14	14	679.594	5.595	942.383	172.78	0.998
10	14	16	279.029	3.442	414.896	216.11	0.987
10	14	18	209.515	2.935	263.853	216.93	0.979
10	14	20	253.653	2.997	312.360	25.90	0.985
10	14	22	65.847	9.668	32.439	184.10	0.747
10	14	24	246.525	3.409	365.339	347.24	0.986
10	14	26	192.105	3.974	268.414	341.49	0.977
10	14	28	212.156	4.055	234.809	208.34	0.989
10	14	30	55.477	12.834	9.580	53.76	0.123
10	14	32	107.562	7.981	144.997	335.33	0.937
10	14	34	38.230	11.867	2.082	248.92	0.551
10	14	36	101.931	8.825	183.881	251.72	0.915
10	14	38	45.571	13.475	13.091	290.00	0.902
10	15	1	390.232	3.263	485.621	206.62	0.994
10	15	3	315.970	2.966	497.214	155.43	0.986
10	15	5	77.957	4.135	92.298	85.05	0.924
10	15	7	174.314	2.777	276.522	103.23	0.970
10	15	9	314.724	2.907	486.938	306.62	0.990
10	15	11	197.345	2.921	272.517	63.25	0.978
10	15	13	215.191	2.965	328.360	186.84	0.984
10	15	15	453.945	3.934	706.014	284.95	0.995
10	15	17	186.979	3.710	190.505	12.66	0.982
10	15	19	336.880	3.390	502.638	1.36	0.991

10	15	21	191.687	3.644	168.550	55.10	0.978
10	15	23	149.148	5.388	218.549	30.45	0.961
10	15	25	307.636	3.671	520.563	71.73	0.987
10	15	27	54.561	11.372	39.803	247.77	0.484
10	15	29	79.673	8.483	94.157	236.26	0.885
10	15	31	129.450	6.154	147.579	29.88	0.971
10	15	33	55.413	11.461	40.468	119.68	0.506
10	15	35	35.455	10.832	6.885	222.57	0.142
10	15	37	40.004	13.138	10.931	211.48	0.207
10	15	39	43.493	14.623	13.645	299.52	0.751
10	16	0	486.882	5.431	691.849	180.00	1.000
10	16	2	71.768	4.852	70.848	14.33	0.704
10	16	4	200.428	2.981	256.136	243.88	0.980
10	16	6	108.427	6.498	130.248	118.81	0.920
10	16	8	102.426	3.110	148.372	287.31	0.883
10	16	10	459.991	3.895	631.537	39.41	0.996
10	16	12	277.228	2.876	307.412	203.90	0.991
10	16	14	171.027	3.194	236.508	295.88	0.964
10	16	16	306.505	3.056	397.436	116.06	0.990
10	16	18	218.856	2.837	307.501	326.48	0.978
10	16	20	301.679	3.624	461.568	33.70	0.987
10	16	22	280.587	3.990	346.865	137.30	0.991
10	16	24	143.160	5.164	247.804	131.24	0.938
10	16	26	181.478	4.380	246.658	215.56	0.983
10	16	28	51.701	12.280	25.689	26.17	0.758
10	16	30	117.945	5.634	147.839	171.54	0.957
10	16	32	105.975	6.857	140.449	47.54	0.949
10	16	34	58.813	13.680	69.588	340.71	0.739
10	16	36	78.579	14.719	111.195	263.96	0.839
10	16	38	47.069	14.330	27.522	212.66	0.784
10	17	1	78.787	4.718	16.497	339.95	0.934
10	17	3	172.392	2.942	258.885	249.09	0.965
10	17	5	76.561	6.166	49.574	29.66	0.911
10	17	7	81.107	5.286	84.058	256.55	0.873
10	17	9	185.407	2.935	211.662	338.94	0.976
10	17	11	408.800	3.564	576.969	77.34	0.994
10	17	13	568.920	4.914	839.675	2.86	0.997
10	17	15	339.550	3.255	492.707	110.12	0.991
10	17	17	137.352	3.803	228.882	153.22	0.878
10	17	19	240.989	3.660	367.051	36.02	0.979
10	17	21	186.255	4.343	154.837	98.70	0.985
10	17	23	95.964	7.642	101.417	133.32	0.920
10	17	25	235.643	4.173	281.391	5.95	0.991
10	17	27	199.750	3.836	334.643	293.91	0.980
10	17	29	237.572	4.431	343.139	305.80	0.989
10	17	31	82.279	9.088	99.176	117.56	0.904
10	17	33	67.509	11.384	72.804	309.50	0.918
10	17	35	103.828	9.103	117.220	341.12	0.970
10	17	37	59.344	17.323	56.407	353.16	0.780
10	18	0	41.794	14.136	55.242	0.00	0.944
10	18	2	227.190	3.197	345.296	149.05	0.980
10	18	4	243.620	2.915	332.356	310.62	0.984
10	18	6	355.000	4.556	479.213	273.71	0.993
10	18	8	502.357	4.377	653.014	355.93	0.997
10	18	10	298.474	3.038	473.870	65.80	0.987
10	18	12	107.827	4.031	97.987	321.06	0.945
10	18	14	166.527	3.289	262.138	310.08	0.949
10	18	16	166.241	3.356	264.259	156.21	0.950
10	18	18	139.968	4.965	233.618	195.92	0.919
10	18	20	106.452	7.188	85.616	180.32	0.949
10	18	22	212.229	4.383	303.566	285.00	0.982
10	18	24	116.675	6.466	164.751	345.84	0.954
10	18	26	195.158	4.855	241.821	357.28	0.986
10	18	28	99.279	7.969	137.252	313.99	0.925
10	18	30	102.165	7.295	118.533	224.63	0.953
10	18	32	122.629	6.800	180.000	15.11	0.956
10	18	34	44.287	13.023	26.176	184.66	0.502
10	18	36	66.719	16.289	74.810	27.58	0.846
10	19	1	161.881	3.193	139.562	21.78	0.981
10	19	3	289.587	3.042	387.741	337.46	0.989
10	19	5	308.584	3.912	428.468	295.73	0.990
10	19	7	417.790	4.308	565.513	74.05	0.995
10	19	9	210.135	2.918	303.250	270.25	0.977
10	19	11	366.102	3.391	533.665	310.45	0.993
10	19	13	252.563	3.099	381.473	225.04	0.982
10	19	15	47.994	9.499	12.349	156.84	0.581
10	19	17	60.881	11.957	29.450	157.95	0.464

10	19	19	78.606	7.296	77.245	310.43	0.900
10	19	21	264.481	4.992	429.661	199.80	0.986
10	19	23	48.700	11.753	32.747	254.29	0.683
10	19	25	60.648	11.583	46.118	172.83	0.853
10	19	27	47.129	11.034	22.811	144.89	0.460
10	19	29	61.044	11.237	58.898	171.57	0.798
10	19	31	138.365	7.954	199.765	4.70	0.968
10	19	33	43.630	12.818	24.494	134.57	0.756
10	19	35	56.270	14.028	58.139	186.64	0.809
10	20	0	282.173	4.286	400.440	0.00	1.000
10	20	2	217.763	3.108	294.109	11.04	0.982
10	20	4	397.018	3.967	598.887	267.22	0.994
10	20	6	175.177	3.979	316.044	38.58	0.940
10	20	8	245.678	3.407	350.335	85.08	0.981
10	20	10	165.948	3.650	192.846	166.59	0.968
10	20	12	130.926	4.382	132.662	151.12	0.954
10	20	14	260.868	3.327	420.475	42.23	0.981
10	20	16	324.735	3.464	419.133	313.49	0.994
10	20	18	233.498	4.203	341.268	87.37	0.985
10	20	20	68.149	9.705	79.564	43.52	0.634
10	20	22	207.365	4.388	303.852	249.00	0.986
10	20	24	121.211	6.714	131.380	21.30	0.966
10	20	26	37.174	11.640	3.040	116.86	0.316
10	20	28	48.700	11.839	30.633	158.33	0.610
10	20	30	105.141	9.595	132.016	72.72	0.969
10	20	32	46.488	13.934	7.252	143.40	0.134
10	20	34	40.131	13.243	17.367	30.97	0.483
10	21	1	49.545	10.370	32.067	344.54	0.738
10	21	3	314.054	3.213	727.515	200.25	0.959
10	21	5	135.498	5.186	168.170	104.69	0.951
10	21	7	259.892	5.187	348.244	123.59	0.986
10	21	9	139.941	4.372	187.154	350.84	0.944
10	21	11	149.139	4.092	251.989	340.12	0.903
10	21	13	291.970	3.409	412.720	32.39	0.991
10	21	15	165.333	4.280	273.097	3.78	0.964
10	21	17	122.247	6.288	168.023	253.38	0.944
10	21	19	93.923	9.240	113.037	206.71	0.938
10	21	21	253.598	4.019	374.352	175.31	0.991
10	21	23	155.680	5.276	233.420	213.41	0.973
10	21	25	67.674	14.323	61.528	280.44	0.853
10	21	27	39.452	12.011	6.949	283.81	0.576
10	21	29	34.870	11.226	11.487	330.45	0.492
10	21	31	89.640	14.829	128.943	140.79	0.923
10	21	33	42.441	12.841	22.608	142.88	0.765
10	22	0	35.827	15.108	14.477	180.00	0.292
10	22	2	219.566	3.747	294.286	146.16	0.979
10	22	4	415.624	3.907	552.535	185.06	0.994
10	22	6	168.374	4.392	180.172	188.51	0.974
10	22	8	165.219	4.842	175.072	29.91	0.968
10	22	10	95.827	7.150	81.362	331.77	0.936
10	22	12	194.278	3.996	341.848	298.70	0.957
10	22	14	57.046	11.611	35.487	40.92	0.496
10	22	16	45.700	12.815	8.793	340.57	0.750
10	22	18	158.921	4.836	284.065	282.75	0.959
10	22	20	54.984	12.429	43.558	175.41	0.743
10	22	22	101.274	8.908	173.299	59.51	0.895
10	22	24	44.225	12.132	19.804	3.22	0.540
10	22	26	73.246	13.419	95.624	126.77	0.817
10	22	28	92.066	9.211	152.340	14.86	0.934
10	22	30	68.675	16.185	71.538	182.02	0.904
10	22	32	54.598	16.321	8.428	213.49	0.131
10	23	1	385.122	4.082	553.759	111.15	0.993
10	23	3	307.609	3.519	420.529	228.69	0.993
10	23	5	141.567	5.299	161.873	162.56	0.968
10	23	7	157.573	6.273	252.596	271.97	0.963
10	23	9	326.227	4.751	480.848	150.59	0.993
10	23	11	248.736	3.767	315.125	220.86	0.989
10	23	13	116.690	4.806	196.912	111.61	0.901
10	23	15	144.110	4.738	179.283	256.97	0.976
10	23	17	40.551	11.069	1.250	99.66	0.702
10	23	19	188.576	4.407	279.070	320.77	0.983
10	23	21	69.427	10.594	49.495	261.14	0.903
10	23	23	167.324	4.848	202.376	297.10	0.985
10	23	25	50.023	10.526	34.788	28.91	0.608
10	23	27	66.539	13.783	52.724	209.79	0.931
10	23	29	45.711	14.316	7.182	342.43	0.106
10	23	31	45.541	12.993	33.047	99.30	0.730

10	24	0	151.648	6.447	212.573	180.00	0.991
10	24	2	164.448	5.632	211.123	29.48	0.974
10	24	4	371.517	3.982	512.501	155.07	0.995
10	24	6	257.170	4.014	345.973	128.62	0.991
10	24	8	48.217	12.277	23.819	106.15	0.503
10	24	10	90.967	9.112	154.245	80.82	0.860
10	24	12	127.810	4.802	145.295	309.46	0.973
10	24	14	234.991	4.886	360.109	304.60	0.989
10	24	16	72.946	9.948	96.316	307.52	0.847
10	24	18	102.998	7.484	146.751	154.22	0.934
10	24	20	172.467	5.242	259.290	224.11	0.979
10	24	22	56.233	14.122	37.029	9.17	0.433
10	24	24	191.213	5.734	249.184	220.68	0.988
10	24	26	79.542	13.407	64.002	119.58	0.956
10	24	28	77.269	12.874	100.380	289.80	0.926
10	24	30	33.067	16.288	3.619	260.55	0.489
10	25	1	180.178	5.864	237.053	14.27	0.978
10	25	3	62.559	11.530	25.028	275.01	0.235
10	25	5	133.454	6.810	137.193	205.88	0.976
10	25	7	40.537	11.257	5.360	87.50	0.734
10	25	9	80.664	9.963	92.058	16.66	0.914
10	25	11	65.784	10.792	41.007	259.68	0.311
10	25	13	64.784	11.239	77.284	320.88	0.725
10	25	15	196.579	4.149	307.001	142.86	0.984
10	25	17	65.057	11.704	67.312	163.38	0.831
10	25	19	120.325	6.824	131.170	142.65	0.972
10	25	21	112.498	6.361	139.732	141.15	0.963
10	25	23	65.647	12.376	78.973	148.11	0.907
10	25	25	69.385	15.792	82.250	333.78	0.891
10	25	27	59.658	15.344	66.511	16.75	0.807
10	25	29	77.703	14.654	97.535	341.05	0.898
10	26	0	158.216	8.795	219.260	0.00	0.982
10	26	2	229.701	3.877	374.385	283.68	0.988
10	26	4	51.267	11.850	18.937	35.14	0.818
10	26	6	117.242	5.225	126.752	25.10	0.971
10	26	8	61.921	12.589	69.570	88.77	0.775
10	26	10	153.036	6.865	182.698	134.51	0.980
10	26	12	33.206	10.423	8.385	255.18	0.487
10	26	14	78.475	9.477	117.715	66.74	0.843
10	26	16	97.262	7.363	101.638	105.85	0.950
10	26	18	60.876	11.471	56.114	196.01	0.875
10	26	20	43.876	11.586	8.566	201.18	0.784
10	26	22	56.121	14.455	42.808	232.64	0.893
10	26	24	73.446	14.394	78.630	57.13	0.932
10	26	26	49.413	15.857	40.832	339.11	0.647
10	27	1	59.979	15.671	24.032	68.63	0.879
10	27	3	79.739	9.226	94.410	128.04	0.910
10	27	5	106.244	10.247	184.594	250.17	0.916
10	27	7	121.645	5.745	195.175	168.71	0.953
10	27	9	34.698	10.575	10.974	326.24	0.582
10	27	11	63.647	11.069	69.749	333.43	0.814
10	27	13	59.787	12.411	27.524	332.96	0.879
10	27	15	42.888	11.262	19.499	50.64	0.442
10	27	17	31.607	9.672	0.816	209.28	0.176
10	27	19	77.781	12.427	54.082	9.71	0.960
10	27	21	46.700	13.850	31.721	315.46	0.817
10	27	23	75.225	14.579	111.815	195.69	0.835
10	27	25	40.775	18.542	5.714	305.54	0.338
10	28	0	63.547	19.700	53.555	180.00	0.615
10	28	2	45.718	12.210	22.661	212.79	0.508
10	28	4	82.670	9.956	87.434	325.91	0.926
10	28	6	157.992	4.721	224.121	234.29	0.979
10	28	8	137.443	5.292	240.839	334.86	0.958
10	28	10	92.687	8.954	132.983	110.56	0.937
10	28	12	101.057	8.391	104.500	262.50	0.568
10	28	14	57.682	12.835	51.860	359.98	0.792
10	28	16	68.356	11.792	74.432	315.86	0.932
10	28	18	62.281	14.330	63.761	157.48	0.891
10	28	20	69.032	15.046	69.145	83.25	0.917
10	28	22	39.200	12.683	18.237	254.37	0.751
10	28	24	63.295	15.971	35.854	152.97	0.921
10	29	1	193.288	5.248	318.355	301.94	0.985
10	29	3	54.572	11.856	55.126	12.54	0.691
10	29	5	45.613	11.023	26.655	290.56	0.648
10	29	7	56.036	10.103	27.384	325.04	0.294
10	29	9	114.674	6.063	150.716	69.23	0.965
10	29	11	47.674	12.139	27.472	21.74	0.725

10	29	13	76.098	12.626	75.681	73.15	0.951
10	29	15	54.325	16.142	26.577	81.83	0.900
10	29	17	57.827	14.764	65.520	119.49	0.740
10	29	19	55.690	13.636	62.800	124.54	0.804
10	29	21	37.566	12.294	17.068	53.15	0.472
10	30	0	82.565	18.743	111.019	180.00	1.000
10	30	2	75.939	11.333	112.060	139.69	0.765
10	30	4	50.235	12.506	9.175	353.86	0.143
10	30	6	213.403	4.410	312.082	254.82	0.990
10	30	8	124.631	7.249	194.737	280.64	0.977
10	30	10	56.086	13.562	41.944	99.65	0.908
10	30	12	73.846	16.121	98.856	219.08	0.890
10	30	14	58.267	17.339	46.848	324.62	0.877
10	30	16	38.702	12.411	20.262	329.99	0.666
10	30	18	37.633	12.324	6.020	128.77	0.120
10	31	1	56.266	11.423	67.549	119.59	0.873
10	31	3	42.134	12.752	22.125	139.09	0.821
10	31	5	79.632	14.675	109.611	264.73	0.929
10	31	7	45.309	12.491	9.298	191.21	0.893
10	31	9	50.418	11.997	45.593	270.82	0.853
10	31	11	44.331	12.060	39.903	331.81	0.584
10	31	13	34.971	11.641	12.268	293.18	0.689
10	31	15	74.633	16.015	88.537	336.75	0.907
10	32	0	36.977	25.031	22.492	0.00	0.539
10	32	2	35.812	11.165	14.031	26.93	0.426
10	32	4	42.424	12.014	23.400	299.07	0.374
10	32	6	37.758	12.492	23.935	278.10	0.633
10	32	8	35.162	11.133	14.293	153.91	0.520
10	32	10	48.585	14.029	21.880	88.68	0.879
10	32	12	44.130	12.604	36.497	166.78	0.762
10	33	1	48.606	12.741	48.660	196.25	0.812
10	33	3	40.339	11.840	20.843	254.81	0.381
10	33	5	32.830	10.742	14.185	330.32	0.533
10	33	7	44.173	12.807	22.234	314.20	0.846
11	0	1	39.688	6.254	41.449	180.00	0.733
11	0	3	64.287	3.023	68.515	0.00	0.746
11	0	5	45.301	4.257	21.495	0.00	0.333
11	0	7	99.332	2.565	141.488	180.00	1.000
11	0	9	15.596	7.206	11.781	0.00	0.531
11	0	11	483.911	5.584	686.403	0.00	1.000
11	0	13	208.941	3.187	295.517	180.00	1.000
11	0	15	336.903	4.392	474.767	180.00	1.000
11	0	17	409.986	5.316	575.290	0.00	1.000
11	0	19	192.996	3.919	269.580	0.00	1.000
11	0	21	112.921	6.222	156.419	180.00	0.997
11	0	23	231.889	4.538	320.395	0.00	1.000
11	0	25	507.738	6.069	697.006	0.00	1.000
11	0	27	44.920	16.272	42.912	180.00	0.703
11	0	29	50.661	17.171	37.181	180.00	0.545
11	0	31	92.727	16.342	123.476	0.00	0.998
11	0	33	77.388	16.680	94.147	180.00	0.924
11	0	35	224.938	6.402	296.396	180.00	1.000
11	0	37	90.436	12.809	116.519	0.00	1.000
11	0	39	40.556	16.092	48.913	0.00	0.967
11	0	41	31.258	15.323	33.770	180.00	0.891
11	1	0	123.690	2.723	16.558	0.00	0.094
11	1	2	179.306	2.628	242.264	189.88	0.943
11	1	4	154.429	1.681	223.757	283.06	0.994
11	1	6	158.948	1.714	286.855	181.57	0.923
11	1	8	268.966	2.255	406.375	93.59	0.992
11	1	10	244.418	2.218	351.184	357.44	0.980
11	1	12	187.456	2.196	297.212	83.10	0.962
11	1	14	324.666	2.827	480.808	219.57	0.988
11	1	16	142.922	2.683	182.027	279.65	0.984
11	1	18	202.582	2.435	332.482	45.18	0.958
11	1	20	173.898	2.952	238.020	332.01	0.968
11	1	22	91.307	4.814	101.209	111.88	0.943
11	1	24	261.935	2.986	348.193	226.82	0.986
11	1	26	277.663	3.273	378.997	359.46	0.985
11	1	28	223.563	3.579	282.659	336.97	0.979
11	1	30	207.230	4.205	261.228	57.20	0.983
11	1	32	120.025	7.435	130.234	95.01	0.965
11	1	34	48.295	13.581	8.227	121.67	0.131
11	1	36	130.486	5.986	178.855	233.64	0.959
11	1	38	38.914	10.871	5.039	144.69	0.234
11	1	40	76.905	11.105	60.688	230.66	0.951
11	1	42	39.094	12.775	15.261	329.18	0.682

11	2	1	234.734	3.040	328.448	94.86	0.980
11	2	3	181.329	2.020	197.161	267.48	0.979
11	2	5	262.401	2.335	313.269	219.83	0.988
11	2	7	398.970	3.550	609.539	26.35	0.993
11	2	9	147.878	1.945	183.075	318.74	0.959
11	2	11	308.028	2.689	439.396	186.51	0.988
11	2	13	407.307	3.792	555.383	311.62	0.993
11	2	15	280.487	2.715	387.860	241.70	0.984
11	2	17	229.848	2.821	273.588	154.71	0.979
11	2	19	247.368	2.737	267.386	339.14	0.987
11	2	21	144.779	2.841	249.260	161.02	0.879
11	2	23	48.924	8.843	14.599	164.33	0.305
11	2	25	89.715	5.280	112.012	260.86	0.754
11	2	27	333.136	3.506	447.636	309.81	0.990
11	2	29	243.804	3.777	347.894	304.88	0.986
11	2	31	236.989	3.912	281.218	262.71	0.987
11	2	33	124.272	6.178	234.107	162.82	0.887
11	2	35	120.658	7.144	161.750	79.26	0.954
11	2	37	66.032	13.154	67.670	2.39	0.828
11	2	39	75.430	11.706	78.667	174.09	0.935
11	2	41	38.040	12.358	12.562	237.52	0.719
11	3	0	113.900	3.189	162.851	180.00	1.000
11	3	2	171.187	1.972	276.478	19.49	0.950
11	3	4	255.058	2.866	337.352	136.59	0.988
11	3	6	372.229	3.693	501.620	82.87	0.993
11	3	8	226.534	2.091	307.521	220.79	0.989
11	3	10	176.474	2.020	237.894	295.27	0.990
11	3	12	350.731	3.079	503.664	57.70	0.991
11	3	14	229.790	2.731	303.236	69.75	0.987
11	3	16	380.963	3.433	556.535	192.10	0.990
11	3	18	247.867	2.688	334.590	227.43	0.985
11	3	20	375.387	3.629	595.455	64.19	0.992
11	3	22	48.464	9.627	31.490	207.64	0.620
11	3	24	106.807	4.637	152.687	2.31	0.729
11	3	26	33.514	9.431	24.323	174.43	0.129
11	3	28	152.586	4.018	213.999	184.76	0.919
11	3	30	241.158	3.787	333.016	178.50	0.986
11	3	32	90.112	7.800	81.828	110.02	0.938
11	3	34	107.168	8.317	122.258	166.08	0.947
11	3	36	99.804	10.674	138.642	202.92	0.915
11	3	38	66.427	11.709	75.035	113.88	0.782
11	3	40	47.676	12.768	30.609	5.55	0.494
11	3	42	50.785	13.851	39.012	300.29	0.741
11	4	1	315.578	4.580	490.514	192.41	0.988
11	4	3	101.505	2.121	107.597	44.69	0.973
11	4	5	325.352	2.750	520.377	115.60	0.988
11	4	7	292.921	2.468	376.680	144.09	0.990
11	4	9	382.205	3.087	562.913	281.14	0.993
11	4	11	284.831	2.534	403.298	12.76	0.987
11	4	13	200.832	2.471	286.053	294.43	0.970
11	4	15	394.663	3.464	593.831	268.47	0.992
11	4	17	170.840	2.859	307.427	251.51	0.914
11	4	19	303.253	2.942	429.469	308.01	0.990
11	4	21	388.031	3.490	535.194	79.16	0.994
11	4	23	290.212	3.201	358.899	97.93	0.989
11	4	25	145.933	3.530	148.542	186.09	0.960
11	4	27	102.997	6.507	104.808	126.69	0.893
11	4	29	241.375	3.819	294.773	140.20	0.987
11	4	31	135.684	5.081	183.260	119.27	0.951
11	4	33	109.439	6.679	109.383	117.38	0.957
11	4	35	175.645	4.958	266.150	251.66	0.976
11	4	37	51.571	12.266	35.654	181.05	0.585
11	4	39	65.821	13.121	71.026	211.64	0.898
11	4	41	49.275	13.621	24.347	15.59	0.334
11	5	0	54.843	5.142	10.514	0.00	0.134
11	5	2	112.837	2.053	163.603	188.59	0.958
11	5	4	237.601	2.247	379.956	325.63	0.987
11	5	6	208.029	2.191	294.858	336.12	0.975
11	5	8	335.407	2.839	448.955	102.91	0.993
11	5	10	172.667	2.097	282.566	35.23	0.953
11	5	12	500.689	4.049	692.376	14.53	0.995
11	5	14	157.321	2.420	230.560	234.71	0.968
11	5	16	350.114	3.122	464.784	252.11	0.992
11	5	18	571.375	4.694	829.551	35.94	0.997
11	5	20	293.026	2.961	434.116	32.95	0.988
11	5	22	121.319	3.466	149.856	134.86	0.959
11	5	24	197.033	3.084	311.493	111.74	0.967

11	5	26	300.643	3.264	410.450	338.32	0.987
11	5	28	125.647	4.758	136.132	259.67	0.940
11	5	30	337.202	4.011	472.448	250.95	0.993
11	5	32	32.644	10.326	39.232	112.88	0.664
11	5	34	68.133	9.374	44.902	136.29	0.928
11	5	36	44.657	12.642	11.101	45.37	0.572
11	5	38	58.013	13.151	33.271	12.30	0.823
11	5	40	53.402	13.142	44.861	37.91	0.831
11	5	42	84.225	16.662	100.327	315.62	0.680
11	6	1	249.895	2.650	362.601	57.61	0.985
11	6	3	213.686	2.195	264.304	342.07	0.982
11	6	5	312.423	2.816	431.147	20.96	0.989
11	6	7	56.413	4.217	19.852	179.15	0.888
11	6	9	272.163	2.685	460.818	55.88	0.985
11	6	11	307.742	2.719	476.053	92.85	0.987
11	6	13	456.999	3.825	719.109	92.54	0.993
11	6	15	155.226	2.355	191.136	255.25	0.977
11	6	17	134.930	3.349	203.037	173.30	0.914
11	6	19	315.832	2.945	478.564	86.64	0.989
11	6	21	436.567	3.778	606.970	38.58	0.995
11	6	23	238.648	2.819	311.228	155.03	0.983
11	6	25	209.298	3.428	282.157	335.29	0.975
11	6	27	129.122	6.054	191.209	154.14	0.903
11	6	29	132.004	5.541	97.907	263.23	0.969
11	6	31	142.003	5.757	210.092	90.52	0.965
11	6	33	179.511	4.879	211.935	175.03	0.983
11	6	35	47.096	12.933	9.413	164.13	0.144
11	6	37	99.719	8.868	166.190	11.91	0.825
11	6	39	64.266	12.487	57.712	89.31	0.907
11	6	41	89.203	12.734	59.822	6.56	0.966
11	7	0	76.784	3.918	106.980	0.00	0.975
11	7	2	178.001	2.569	207.697	200.14	0.701
11	7	4	128.423	2.108	132.862	176.99	0.967
11	7	6	227.902	2.333	305.523	27.43	0.980
11	7	8	83.252	3.325	84.730	228.47	0.925
11	7	10	162.892	2.469	202.247	131.81	0.973
11	7	12	146.308	2.508	215.116	327.62	0.922
11	7	14	196.429	2.437	249.365	53.61	0.981
11	7	16	320.443	2.927	439.982	316.91	0.992
11	7	18	68.414	5.684	7.614	239.43	0.881
11	7	20	189.883	2.777	366.908	96.75	0.944
11	7	22	347.344	3.629	465.155	91.68	0.992
11	7	24	65.042	7.639	25.458	357.37	0.796
11	7	26	88.431	5.324	93.204	101.95	0.861
11	7	28	53.573	10.780	31.666	142.41	0.607
11	7	30	282.129	3.594	418.301	168.09	0.989
11	7	32	215.553	4.234	282.232	84.93	0.988
11	7	34	62.433	10.129	58.727	301.36	0.844
11	7	36	32.739	10.279	2.491	15.90	0.255
11	7	38	55.474	10.834	59.571	176.11	0.847
11	7	40	47.234	12.514	37.389	35.16	0.739
11	7	42	33.508	11.505	5.152	142.43	0.197
11	8	1	41.179	4.992	68.575	71.28	0.850
11	8	3	349.018	3.424	513.848	135.23	0.992
11	8	5	107.437	1.945	145.421	168.37	0.961
11	8	7	249.626	2.313	344.415	127.79	0.986
11	8	9	341.807	3.400	476.629	267.19	0.992
11	8	11	349.884	3.122	478.970	51.69	0.991
11	8	13	61.276	5.795	31.154	188.30	0.444
11	8	15	138.666	3.070	182.425	84.64	0.974
11	8	17	113.505	3.229	145.232	149.14	0.948
11	8	19	120.399	4.046	168.546	160.96	0.924
11	8	21	104.159	4.557	117.949	299.44	0.942
11	8	23	161.798	3.420	203.224	181.82	0.964
11	8	25	272.324	3.215	377.567	164.14	0.984
11	8	27	63.683	9.596	35.016	14.03	0.406
11	8	29	74.797	9.598	33.334	46.64	0.894
11	8	31	146.366	5.887	175.519	336.23	0.975
11	8	33	82.924	9.198	89.607	52.57	0.913
11	8	35	216.266	3.923	346.398	320.74	0.981
11	8	37	60.219	10.034	39.719	72.62	0.859
11	8	39	103.592	8.819	165.037	18.01	0.944
11	8	41	72.621	17.606	64.586	133.34	0.904
11	9	0	35.736	11.996	31.033	180.00	0.611
11	9	2	216.759	3.385	345.408	220.40	0.974
11	9	4	265.970	2.841	370.025	348.31	0.987
11	9	6	298.197	2.589	406.809	256.65	0.987

11	9	8	208.001	2.536	324.038	23.29	0.971
11	9	10	202.446	2.664	248.265	100.56	0.978
11	9	12	221.067	2.777	318.490	67.91	0.973
11	9	14	277.743	2.774	382.020	173.90	0.984
11	9	16	120.163	2.937	192.986	69.64	0.906
11	9	18	395.789	3.392	448.918	12.39	0.995
11	9	20	292.124	2.998	517.070	178.77	0.983
11	9	22	134.803	3.460	145.559	109.10	0.957
11	9	24	50.501	10.447	13.022	39.76	0.659
11	9	26	173.603	3.937	179.085	147.62	0.972
11	9	28	149.627	4.497	223.345	218.90	0.958
11	9	30	144.894	5.198	204.373	325.90	0.969
11	9	32	371.188	4.142	565.527	315.70	0.995
11	9	34	202.250	4.585	256.827	314.74	0.986
11	9	36	63.636	11.534	61.276	113.57	0.833
11	9	38	38.290	11.276	17.888	124.04	0.553
11	9	40	32.223	10.639	4.292	203.95	0.708
11	10	1	278.900	2.618	395.934	194.10	0.985
11	10	3	129.435	2.624	187.050	136.46	0.973
11	10	5	250.181	2.498	382.462	241.04	0.983
11	10	7	218.052	2.215	328.054	240.99	0.976
11	10	9	203.426	2.632	273.249	177.06	0.843
11	10	11	268.729	2.853	364.948	100.41	0.987
11	10	13	222.840	2.510	319.370	107.54	0.982
11	10	15	339.604	3.197	390.383	110.39	0.994
11	10	17	263.217	2.719	323.563	319.53	0.989
11	10	19	44.366	9.098	5.438	256.64	0.451
11	10	21	383.489	3.491	571.445	88.87	0.993
11	10	23	248.364	3.114	354.192	18.00	0.982
11	10	25	176.116	4.332	229.496	77.86	0.964
11	10	27	220.575	3.609	275.234	253.62	0.987
11	10	29	159.127	4.663	224.909	2.97	0.974
11	10	31	41.113	11.413	0.588	63.93	0.633
11	10	33	59.616	11.333	54.462	216.02	0.745
11	10	35	91.655	9.399	132.001	171.71	0.745
11	10	37	71.127	12.451	85.519	147.18	0.909
11	10	39	44.775	12.252	33.877	296.69	0.750
11	11	0	130.666	4.016	186.627	180.00	1.000
11	11	2	189.434	2.509	282.578	80.36	0.965
11	11	4	253.428	3.864	395.106	128.18	0.978
11	11	6	156.927	2.231	253.295	321.50	0.934
11	11	8	245.101	2.403	286.668	261.29	0.983
11	11	10	313.022	2.908	430.580	228.45	0.988
11	11	12	242.812	2.928	385.066	163.08	0.982
11	11	14	167.396	2.661	151.143	209.31	0.975
11	11	16	449.738	4.351	624.784	220.61	0.995
11	11	18	164.158	2.840	184.123	269.04	0.970
11	11	20	287.680	2.964	399.490	231.55	0.988
11	11	22	161.184	4.043	216.113	245.19	0.956
11	11	24	34.800	9.983	32.779	265.73	0.320
11	11	26	176.351	3.644	236.405	152.85	0.975
11	11	28	123.313	5.497	127.797	85.12	0.955
11	11	30	190.023	4.507	291.421	152.93	0.981
11	11	32	36.335	11.174	5.964	24.28	0.520
11	11	34	36.055	10.499	10.952	185.38	0.683
11	11	36	116.558	7.514	159.123	98.60	0.954
11	11	38	37.837	11.167	16.591	274.42	0.564
11	11	40	40.949	13.742	9.278	61.29	0.846
11	12	1	487.642	3.880	750.915	243.18	0.994
11	12	3	131.310	4.007	163.624	319.64	0.933
11	12	5	359.968	3.907	497.875	54.67	0.991
11	12	7	401.538	3.743	550.668	276.37	0.993
11	12	9	561.334	4.407	814.634	18.14	0.996
11	12	11	179.942	2.423	235.068	164.94	0.970
11	12	13	246.646	3.016	343.678	185.11	0.985
11	12	15	517.187	4.839	744.999	283.46	0.997
11	12	17	173.033	3.014	263.973	312.80	0.958
11	12	19	157.282	3.564	158.866	263.69	0.970
11	12	21	386.901	3.563	512.453	283.46	0.994
11	12	23	168.724	3.971	263.836	173.39	0.929
11	12	25	182.579	3.780	289.490	247.87	0.971
11	12	27	127.518	5.240	140.884	173.87	0.961
11	12	29	36.783	11.024	3.287	173.14	0.487
11	12	31	87.781	7.251	136.150	71.13	0.789
11	12	33	59.299	11.269	41.552	248.69	0.856
11	12	35	54.387	11.760	45.278	230.48	0.738
11	12	37	65.289	12.954	70.261	196.50	0.577

11	12	39	66.518	13.996	69.355	359.70	0.883
11	13	0	252.859	3.406	361.114	0.00	1.000
11	13	2	122.517	2.855	153.526	289.73	0.908
11	13	4	423.688	4.488	674.997	66.19	0.992
11	13	6	280.983	2.743	412.601	86.88	0.983
11	13	8	299.627	2.978	417.852	5.18	0.990
11	13	10	239.085	2.481	339.322	236.15	0.984
11	13	12	624.237	5.351	852.147	109.45	0.998
11	13	14	289.070	3.268	463.058	130.34	0.987
11	13	16	217.734	3.154	270.138	316.52	0.982
11	13	18	246.903	2.817	402.256	335.98	0.980
11	13	20	261.928	3.271	375.712	275.52	0.983
11	13	22	67.609	8.599	48.846	130.42	0.611
11	13	24	138.955	4.502	199.924	95.28	0.953
11	13	26	255.962	3.561	301.571	15.44	0.990
11	13	28	72.760	10.094	8.554	113.77	0.943
11	13	30	112.633	8.361	115.898	279.09	0.961
11	13	32	156.472	5.649	224.691	332.11	0.973
11	13	34	42.512	11.963	13.692	129.59	0.460
11	13	36	42.839	11.522	29.278	8.93	0.630
11	13	38	51.433	15.623	16.939	146.67	0.883
11	14	1	290.577	2.839	480.893	353.39	0.979
11	14	3	356.541	3.268	510.605	56.73	0.994
11	14	5	176.187	4.128	199.474	86.49	0.977
11	14	7	305.027	2.868	478.853	63.97	0.989
11	14	9	260.137	2.832	367.579	258.08	0.990
11	14	11	223.916	2.856	319.534	54.44	0.980
11	14	13	609.759	5.229	880.258	139.38	0.997
11	14	15	455.102	4.493	662.153	313.39	0.995
11	14	17	181.005	3.210	250.124	7.91	0.972
11	14	19	70.282	6.771	52.142	151.87	0.622
11	14	21	55.635	10.646	43.278	184.36	0.643
11	14	23	210.531	3.576	277.049	0.41	0.982
11	14	25	42.919	10.538	1.964	356.85	0.329
11	14	27	122.285	5.229	209.093	208.20	0.918
11	14	29	49.377	10.679	14.334	111.91	0.241
11	14	31	113.269	6.657	143.693	294.10	0.952
11	14	33	92.051	9.333	123.143	16.36	0.923
11	14	35	68.304	12.563	95.135	140.84	0.820
11	14	37	75.699	15.917	101.368	291.50	0.761
11	15	0	281.670	3.810	402.083	180.00	1.000
11	15	2	315.231	2.938	401.234	176.37	0.992
11	15	4	218.638	4.205	269.158	156.58	0.983
11	15	6	264.815	3.102	362.959	141.80	0.987
11	15	8	229.954	2.610	279.681	349.84	0.984
11	15	10	267.382	2.771	375.227	14.02	0.987
11	15	12	227.194	2.978	301.426	127.81	0.983
11	15	14	508.834	4.408	674.797	46.27	0.997
11	15	16	269.135	3.404	412.126	48.32	0.985
11	15	18	292.743	3.644	487.246	291.07	0.984
11	15	20	52.342	10.116	7.746	106.97	0.341
11	15	22	208.267	3.637	287.610	231.48	0.982
11	15	24	60.572	10.874	47.294	105.68	0.597
11	15	26	222.804	3.820	317.194	304.85	0.988
11	15	28	54.168	11.768	36.474	104.31	0.748
11	15	30	56.733	10.317	43.679	8.22	0.548
11	15	32	41.643	10.732	18.968	245.59	0.826
11	15	34	34.659	10.614	7.570	161.98	0.662
11	15	36	41.677	12.390	22.085	172.16	0.677
11	15	38	47.765	15.539	30.589	319.79	0.643
11	16	1	108.704	4.243	144.070	49.88	0.935
11	16	3	431.355	3.661	686.700	179.42	0.994
11	16	5	409.385	3.952	557.633	161.39	0.995
11	16	7	69.785	6.675	23.801	202.77	0.334
11	16	9	699.673	5.457	1037.253	303.23	0.998
11	16	11	329.742	3.095	464.208	210.09	0.991
11	16	13	240.974	3.139	344.271	74.92	0.984
11	16	15	308.458	3.167	418.087	72.73	0.991
11	16	17	178.250	3.214	219.830	111.74	0.972
11	16	19	389.814	3.979	533.199	188.54	0.993
11	16	21	283.500	3.437	434.396	207.70	0.989
11	16	23	252.924	3.812	321.561	203.72	0.989
11	16	25	152.904	5.773	189.746	333.46	0.977
11	16	27	149.613	4.434	239.838	75.53	0.965
11	16	29	93.986	7.787	154.912	155.38	0.848
11	16	31	44.154	11.005	16.836	199.91	0.450
11	16	33	35.419	11.377	3.339	297.25	0.782

11	16	35	37.154	11.737	15.168	273.79	0.356
11	16	37	45.797	14.558	24.056	111.50	0.780
11	17	0	313.964	4.149	447.958	180.00	1.000
11	17	2	155.791	3.198	204.894	111.48	0.968
11	17	4	332.263	3.888	425.696	179.37	0.993
11	17	6	364.662	3.989	552.268	55.49	0.993
11	17	8	548.025	4.558	898.072	4.32	0.996
11	17	10	109.597	4.088	129.189	4.68	0.930
11	17	12	286.368	3.015	412.038	321.16	0.988
11	17	14	235.693	3.443	406.303	246.93	0.969
11	17	16	205.023	3.144	313.640	283.32	0.971
11	17	18	482.661	4.253	691.272	143.14	0.995
11	17	20	183.146	3.948	216.940	256.79	0.980
11	17	22	142.244	6.696	214.139	317.06	0.953
11	17	24	178.019	4.224	214.280	342.13	0.984
11	17	26	179.225	4.606	216.467	157.98	0.984
11	17	28	249.364	3.851	319.104	161.61	0.991
11	17	30	146.463	5.423	187.188	247.04	0.977
11	17	32	106.562	7.135	124.608	312.07	0.974
11	17	34	58.738	12.482	59.989	333.68	0.874
11	17	36	109.884	10.108	177.590	314.93	0.951
11	18	1	204.594	3.235	235.271	336.30	0.980
11	18	3	407.532	3.494	623.246	247.58	0.994
11	18	5	212.985	3.568	267.085	95.77	0.982
11	18	7	542.056	5.403	807.189	8.59	0.997
11	18	9	162.452	3.216	209.801	261.70	0.975
11	18	11	641.425	5.318	985.927	1.71	0.997
11	18	13	77.353	6.690	45.559	130.79	0.848
11	18	15	267.928	3.482	404.533	260.58	0.985
11	18	17	216.146	3.495	326.816	145.24	0.974
11	18	19	217.476	3.431	281.143	20.68	0.986
11	18	21	116.339	5.771	181.660	78.81	0.886
11	18	23	152.784	4.841	216.820	8.60	0.975
11	18	25	148.778	4.855	178.591	231.96	0.977
11	18	27	77.506	9.202	74.907	304.93	0.915
11	18	29	188.510	4.857	236.751	232.59	0.987
11	18	31	99.222	6.979	145.458	18.07	0.931
11	18	33	48.117	13.514	23.711	76.60	0.866
11	18	35	41.491	13.686	21.340	354.95	0.603
11	19	0	297.614	4.322	424.370	0.00	1.000
11	19	2	340.022	3.570	464.490	319.82	0.992
11	19	4	426.348	3.778	582.009	310.82	0.995
11	19	6	373.645	5.012	504.705	290.10	0.994
11	19	8	70.028	7.596	16.079	331.54	0.864
11	19	10	337.048	3.248	423.829	287.46	0.992
11	19	12	220.190	3.017	395.432	324.27	0.967
11	19	14	295.573	3.568	424.147	256.56	0.987
11	19	16	195.454	4.330	262.700	9.48	0.982
11	19	18	192.509	3.903	245.325	34.40	0.981
11	19	20	150.690	4.715	190.085	113.17	0.978
11	19	22	133.174	9.285	244.221	260.29	0.937
11	19	24	108.852	7.670	197.859	42.71	0.889
11	19	26	35.308	11.217	2.556	305.88	0.152
11	19	28	86.561	9.727	102.522	25.89	0.921
11	19	30	86.608	11.021	121.976	113.59	0.890
11	19	32	50.104	12.929	42.943	168.71	0.819
11	19	34	74.550	12.111	104.817	138.23	0.895
11	20	1	317.503	3.628	556.177	193.52	0.986
11	20	3	151.453	3.764	239.403	141.30	0.943
11	20	5	148.185	4.134	266.402	74.37	0.909
11	20	7	163.783	4.446	185.742	134.19	0.965
11	20	9	126.983	5.057	176.933	265.18	0.934
11	20	11	274.800	3.251	380.793	153.34	0.986
11	20	13	173.263	3.713	220.182	341.54	0.976
11	20	15	110.130	5.919	132.104	151.53	0.943
11	20	17	218.452	3.830	443.394	279.91	0.942
11	20	19	96.250	6.163	108.788	301.40	0.948
11	20	21	209.590	3.428	309.854	257.90	0.987
11	20	23	58.197	14.562	51.101	346.39	0.765
11	20	25	108.615	6.808	134.709	22.13	0.952
11	20	27	61.218	13.046	65.835	66.96	0.794
11	20	29	93.460	9.419	96.686	49.42	0.968
11	20	31	45.343	12.878	35.809	282.86	0.669
11	20	33	48.479	14.088	1.375	88.22	0.050
11	21	0	248.984	4.583	354.744	0.00	1.000
11	21	2	315.056	3.574	465.215	323.86	0.989
11	21	4	166.109	3.819	166.740	114.98	0.974

11	21	6	128.885	5.172	231.649	106.45	0.848
11	21	8	171.023	4.381	271.241	287.53	0.960
11	21	10	152.046	5.281	157.523	147.89	0.975
11	21	12	99.738	5.586	111.001	180.37	0.931
11	21	14	248.909	3.569	333.648	138.27	0.989
11	21	16	230.355	3.851	363.527	136.73	0.983
11	21	18	69.331	10.584	74.648	158.53	0.868
11	21	20	101.838	7.864	151.738	319.26	0.933
11	21	22	130.991	6.220	209.439	208.71	0.957
11	21	24	145.626	6.194	182.824	179.25	0.975
11	21	26	85.294	10.137	120.807	288.16	0.888
11	21	28	54.170	13.194	46.841	219.63	0.869
11	21	30	85.833	13.999	102.863	326.42	0.942
11	21	32	40.471	12.603	23.910	258.26	0.494
11	22	1	248.213	3.959	396.184	342.94	0.980
11	22	3	163.594	3.820	148.549	204.61	0.974
11	22	5	219.095	3.857	377.188	210.91	0.980
11	22	7	38.745	10.673	31.247	185.53	0.689
11	22	9	434.643	5.514	613.351	100.65	0.996
11	22	11	139.295	5.067	245.728	85.38	0.940
11	22	13	83.530	9.487	85.565	123.07	0.534
11	22	15	128.232	4.757	248.301	208.42	0.930
11	22	17	101.444	7.764	162.336	39.27	0.922
11	22	19	90.023	7.744	144.675	268.23	0.732
11	22	21	35.894	11.392	2.067	41.31	0.346
11	22	23	181.160	4.728	298.608	261.96	0.981
11	22	25	60.418	10.722	58.891	47.46	0.582
11	22	27	170.736	6.201	273.249	117.80	0.986
11	22	29	60.821	14.509	69.488	156.25	0.694
11	22	31	41.306	13.566	16.890	80.93	0.346
11	23	0	151.845	7.498	139.058	180.00	0.644
11	23	2	240.312	3.406	294.488	192.83	0.990
11	23	4	115.299	7.638	167.437	128.77	0.939
11	23	6	163.622	5.081	222.517	193.89	0.973
11	23	8	145.919	6.745	190.505	144.62	0.968
11	23	10	155.508	5.572	275.753	72.16	0.956
11	23	12	133.139	4.673	154.624	297.04	0.974
11	23	14	151.795	4.876	185.081	3.05	0.979
11	23	16	136.371	4.401	153.491	125.00	0.978
11	23	18	36.400	10.417	7.290	285.91	0.597
11	23	20	38.378	10.629	8.558	336.59	0.444
11	23	22	47.351	12.406	16.744	306.75	0.772
11	23	24	103.095	6.961	85.829	346.02	0.965
11	23	26	96.562	10.862	174.566	74.44	0.858
11	23	28	40.096	12.160	9.990	280.39	0.175
11	23	30	104.319	10.928	126.347	54.24	0.968
11	24	1	193.718	4.208	309.355	342.43	0.977
11	24	3	246.972	3.825	535.655	206.74	0.972
11	24	5	188.290	4.598	292.457	326.40	0.976
11	24	7	208.078	6.107	269.064	340.35	0.989
11	24	9	206.961	5.420	295.185	339.97	0.987
11	24	11	62.531	11.815	46.098	339.18	0.876
11	24	13	186.210	3.986	319.258	354.98	0.980
11	24	15	62.230	10.226	52.805	98.19	0.862
11	24	17	75.431	7.311	64.788	19.83	0.919
11	24	19	92.114	6.496	130.992	205.52	0.919
11	24	21	96.056	8.069	151.692	219.07	0.923
11	24	23	197.056	5.381	271.226	197.90	0.987
11	24	25	45.575	13.323	31.495	82.21	0.479
11	24	27	77.668	14.736	117.605	66.45	0.823
11	24	29	59.091	14.783	46.900	88.15	0.475
11	25	0	388.339	5.739	551.900	180.00	1.000
11	25	2	109.808	6.504	127.371	215.28	0.963
11	25	4	48.996	12.473	25.986	329.95	0.820
11	25	6	43.409	12.713	16.099	181.16	0.451
11	25	8	144.143	5.514	210.509	67.75	0.973
11	25	10	91.583	9.373	95.511	128.59	0.948
11	25	12	205.779	4.236	321.871	297.23	0.986
11	25	14	42.581	10.684	10.806	132.61	0.626
11	25	16	98.335	6.124	101.061	93.41	0.957
11	25	18	106.426	5.680	138.042	264.30	0.958
11	25	20	88.588	6.766	120.744	41.46	0.931
11	25	22	125.210	8.398	169.087	301.70	0.980
11	25	24	93.648	16.415	113.598	266.34	0.950
11	25	26	38.973	12.657	24.882	89.26	0.648
11	25	28	41.330	12.819	29.304	100.76	0.605
11	26	1	43.521	11.502	1.542	61.63	0.782

11	26	3	230.499	3.975	309.792	202.83	0.991
11	26	5	73.399	8.723	86.798	272.88	0.889
11	26	7	135.319	5.577	223.307	325.79	0.963
11	26	9	111.886	10.274	108.436	133.62	0.965
11	26	11	41.654	11.809	10.938	238.13	0.604
11	26	13	40.246	11.493	1.994	235.89	0.677
11	26	15	154.069	5.163	258.397	136.23	0.975
11	26	17	110.409	6.102	175.917	255.70	0.948
11	26	19	70.928	8.530	100.744	284.22	0.734
11	26	21	49.274	13.088	49.681	47.15	0.733
11	26	23	35.898	12.347	4.239	56.44	0.735
11	26	25	32.928	10.743	8.041	310.45	0.596
11	27	0	33.432	15.742	34.415	0.00	0.737
11	27	2	149.232	5.403	191.966	274.81	0.980
11	27	4	38.912	10.675	8.813	341.65	0.227
11	27	6	157.276	5.422	244.356	353.57	0.976
11	27	8	134.151	5.391	210.327	39.62	0.964
11	27	10	185.065	5.767	258.772	35.03	0.985
11	27	12	117.778	7.893	215.752	173.17	0.939
11	27	14	98.282	9.532	104.025	136.88	0.958
11	27	16	40.006	11.721	9.693	171.45	0.174
11	27	18	77.474	10.166	105.794	4.74	0.938
11	27	20	92.670	9.169	168.715	283.00	0.878
11	27	22	101.544	12.081	160.520	164.11	0.950
11	27	24	55.716	15.016	36.199	121.09	0.887
11	28	1	60.029	12.659	50.799	168.69	0.830
11	28	3	47.238	11.625	6.476	90.17	0.803
11	28	5	59.563	10.961	56.920	209.04	0.860
11	28	7	37.586	11.660	7.497	183.14	0.726
11	28	9	58.235	10.490	61.646	105.16	0.821
11	28	11	62.376	10.289	62.575	38.99	0.514
11	28	13	69.254	10.646	83.762	250.12	0.877
11	28	15	90.941	8.432	133.743	171.41	0.957
11	28	17	65.040	13.631	89.408	203.61	0.857
11	28	19	49.189	13.798	45.936	33.89	0.792
11	28	21	40.920	12.565	14.397	343.02	0.817
11	29	0	37.689	15.778	29.495	180.00	0.569
11	29	2	78.580	10.636	73.253	171.91	0.932
11	29	4	99.760	6.990	123.404	140.70	0.959
11	29	6	59.102	10.607	67.384	300.84	0.683
11	29	8	94.040	7.468	155.566	8.29	0.910
11	29	10	51.303	10.042	60.413	306.32	0.803
11	29	12	64.272	11.759	39.757	206.06	0.944
11	29	14	47.940	13.750	21.419	203.33	0.322
11	29	16	72.288	13.157	94.786	203.71	0.904
11	29	18	62.824	13.941	81.266	254.68	0.825
11	29	20	33.157	10.997	12.608	280.84	0.453
11	30	1	113.585	6.106	181.438	313.80	0.973
11	30	3	56.197	12.955	62.679	153.26	0.880
11	30	5	38.776	11.507	22.911	184.55	0.747
11	30	7	68.958	13.456	61.296	83.25	0.940
11	30	9	40.534	11.809	28.830	285.24	0.755
11	30	11	44.443	15.008	17.289	349.32	0.833
11	30	13	68.735	16.301	86.471	142.23	0.672
11	30	15	57.956	15.998	53.163	56.71	0.872
11	30	17	50.893	13.332	45.077	49.77	0.836
11	31	0	40.704	26.562	33.105	0.00	0.702
11	31	2	46.308	12.621	39.313	38.02	0.737
11	31	4	59.940	16.745	72.550	275.09	0.770
11	31	6	81.090	16.366	109.000	234.97	0.917
11	31	8	52.877	14.106	52.731	330.46	0.643
11	31	10	31.129	10.527	11.191	20.67	0.500
11	31	12	51.168	14.976	39.631	321.91	0.521
11	31	14	44.169	14.805	28.403	357.26	0.700
11	32	1	31.751	10.508	4.512	189.66	0.679
11	32	3	48.059	13.144	37.414	270.64	0.862
11	32	5	46.050	12.658	39.751	101.75	0.655
11	32	7	92.823	9.788	124.331	267.91	0.961
11	32	9	32.694	10.564	11.431	50.15	0.296
11	32	11	34.304	10.792	3.390	333.98	0.759
11	33	0	18.097	13.074	2.436	0.00	0.110
11	33	2	33.796	10.821	12.137	127.64	0.357
12	0	0	745.688	11.341	1070.157	180.00	1.000
12	0	2	14.271	6.065	3.349	180.00	0.191
12	0	4	307.230	4.046	440.755	0.00	1.000
12	0	6	643.604	6.777	921.704	0.00	1.000
12	0	8	220.364	2.659	315.090	180.00	1.000

12	0	10	176.718	2.811	252.112	0.00	1.000
12	0	12	230.315	3.732	327.297	180.00	1.000
12	0	14	304.877	3.875	432.303	0.00	1.000
12	0	16	370.850	4.698	523.867	0.00	1.000
12	0	18	387.505	4.921	544.819	180.00	1.000
12	0	20	90.307	5.694	73.800	0.00	0.585
12	0	22	120.986	5.617	168.278	180.00	1.000
12	0	24	63.378	11.872	80.175	180.00	0.923
12	0	26	126.754	7.108	173.988	0.00	1.000
12	0	28	41.280	15.856	16.457	180.00	0.294
12	0	30	33.815	14.999	23.940	180.00	0.534
12	0	32	78.232	15.437	85.451	0.00	0.822
12	0	34	84.269	12.533	110.095	0.00	0.990
12	0	36	101.996	10.374	132.010	0.00	0.991
12	0	38	58.038	16.820	50.556	0.00	0.694
12	0	40	39.675	17.183	12.330	180.00	0.257
12	0	42	24.967	12.738	17.818	0.00	0.593
12	1	1	53.602	3.763	43.865	226.02	0.777
12	1	3	355.019	3.725	438.282	152.03	0.993
12	1	5	162.974	1.706	239.465	34.75	0.968
12	1	7	28.034	5.820	53.654	259.50	0.515
12	1	9	284.185	2.540	440.666	130.82	0.987
12	1	11	34.229	6.419	63.915	39.39	0.803
12	1	13	311.221	2.812	427.327	256.70	0.988
12	1	15	329.516	3.146	493.398	52.12	0.988
12	1	17	127.952	3.222	188.250	351.29	0.903
12	1	19	116.186	3.969	157.717	23.55	0.916
12	1	21	343.412	3.248	513.784	28.66	0.991
12	1	23	352.215	3.408	466.018	91.15	0.993
12	1	25	236.400	3.153	277.483	319.68	0.983
12	1	27	256.013	3.143	313.722	287.17	0.985
12	1	29	90.558	7.432	102.068	93.30	0.901
12	1	31	133.192	6.307	196.162	158.11	0.960
12	1	33	44.643	11.953	11.329	276.53	0.662
12	1	35	50.876	11.549	18.517	234.56	0.277
12	1	37	82.959	9.615	101.298	91.14	0.907
12	1	39	75.861	11.621	88.816	287.47	0.925
12	1	41	52.483	14.977	36.925	113.55	0.841
12	2	0	17.220	9.830	0.013	0.00	0.002
12	2	2	41.913	5.506	29.579	124.41	0.867
12	2	4	171.765	1.975	264.490	18.14	0.961
12	2	6	204.986	1.883	272.262	215.68	0.992
12	2	8	372.475	3.283	529.057	164.00	0.993
12	2	10	176.807	1.992	192.830	249.43	0.968
12	2	12	170.790	2.221	247.350	286.78	0.956
12	2	14	207.877	2.360	286.993	277.56	0.976
12	2	16	323.584	3.132	399.410	138.45	0.990
12	2	18	155.909	3.233	210.703	178.45	0.977
12	2	20	530.990	5.177	730.625	10.78	0.997
12	2	22	82.860	5.435	88.727	351.86	0.844
12	2	24	115.512	4.454	139.242	110.98	0.940
12	2	26	437.423	4.427	598.282	92.43	0.994
12	2	28	105.070	6.685	122.846	139.32	0.929
12	2	30	57.802	11.629	47.890	89.55	0.687
12	2	32	104.485	9.541	104.574	349.35	0.952
12	2	34	152.293	4.559	199.725	324.66	0.974
12	2	36	39.917	11.149	9.833	82.21	0.489
12	2	38	35.644	10.865	9.417	239.83	0.538
12	2	40	39.296	12.112	17.564	174.70	0.651
12	2	42	42.864	13.498	22.912	130.88	0.676
12	3	1	43.003	6.851	44.889	243.66	0.776
12	3	3	289.857	2.762	377.776	290.13	0.990
12	3	5	215.611	2.271	324.552	351.87	0.976
12	3	7	314.366	2.684	445.944	202.95	0.990
12	3	9	286.039	2.733	422.777	347.30	0.986
12	3	11	149.427	2.145	200.849	81.28	0.953
12	3	13	170.599	2.356	195.719	298.79	0.975
12	3	15	336.210	3.236	446.119	280.60	0.990
12	3	17	53.510	8.035	29.693	91.21	0.623
12	3	19	417.748	3.634	618.326	281.43	0.994
12	3	21	274.816	3.014	346.616	257.23	0.989
12	3	23	439.049	4.298	604.521	224.38	0.995
12	3	25	341.756	3.678	520.664	300.00	0.989
12	3	27	197.289	3.716	258.090	290.30	0.973
12	3	29	94.321	10.100	120.899	199.64	0.891
12	3	31	221.178	3.804	381.144	53.43	0.983
12	3	33	83.631	10.114	104.090	359.01	0.884

12	3	35	132.143	6.115	155.298	67.85	0.968
12	3	37	77.058	12.198	93.359	65.76	0.869
12	3	39	101.511	9.068	126.873	279.72	0.964
12	3	41	40.355	12.744	10.079	218.65	0.798
12	4	0	30.278	14.669	5.613	0.00	0.142
12	4	2	108.423	2.932	139.655	253.48	0.937
12	4	4	380.326	4.640	596.085	307.18	0.992
12	4	6	319.570	2.964	468.910	14.27	0.992
12	4	8	467.996	3.906	745.983	340.88	0.994
12	4	10	270.529	2.429	438.694	155.50	0.982
12	4	12	140.464	2.188	219.841	335.01	0.980
12	4	14	467.453	4.068	696.357	338.07	0.994
12	4	16	227.095	2.462	316.093	346.98	0.984
12	4	18	87.528	3.989	108.845	245.97	0.905
12	4	20	143.958	3.022	226.833	270.70	0.870
12	4	22	121.320	4.398	152.111	278.34	0.569
12	4	24	231.001	3.018	273.095	191.74	0.986
12	4	26	306.091	3.369	443.832	315.65	0.987
12	4	28	209.189	3.598	270.328	204.39	0.982
12	4	30	150.788	5.618	175.432	194.14	0.969
12	4	32	141.570	5.860	203.343	108.83	0.966
12	4	34	162.582	5.844	265.787	170.08	0.969
12	4	36	88.691	9.276	37.338	154.86	0.961
12	4	38	49.631	13.109	41.784	156.48	0.536
12	4	40	55.740	14.195	46.070	253.86	0.507
12	5	1	252.832	3.109	383.436	110.88	0.982
12	5	3	73.587	2.752	91.599	133.01	0.542
12	5	5	85.365	2.573	104.017	122.48	0.849
12	5	7	321.703	2.907	492.526	292.34	0.989
12	5	9	40.988	5.526	31.215	197.34	0.714
12	5	11	75.371	4.056	72.984	85.86	0.709
12	5	13	118.437	2.569	168.646	100.96	0.945
12	5	15	157.908	2.591	186.691	212.46	0.949
12	5	17	398.580	3.559	507.869	110.77	0.995
12	5	19	285.006	2.866	279.876	306.71	0.992
12	5	21	215.251	2.893	292.803	125.12	0.980
12	5	23	278.111	3.054	397.224	90.10	0.987
12	5	25	172.718	3.499	139.066	250.76	0.973
12	5	27	151.450	4.166	224.846	325.25	0.936
12	5	29	185.797	3.869	211.323	200.20	0.981
12	5	31	119.682	5.330	120.168	114.49	0.971
12	5	33	125.524	6.096	139.088	210.84	0.967
12	5	35	131.448	6.604	148.140	201.34	0.969
12	5	37	93.498	8.610	144.312	119.46	0.895
12	5	39	65.970	12.430	65.338	307.50	0.904
12	5	41	45.508	14.105	30.561	66.34	0.606
12	6	0	312.457	4.351	448.457	180.00	1.000
12	6	2	136.449	2.095	165.249	43.70	0.975
12	6	4	247.148	2.417	361.295	132.55	0.985
12	6	6	183.105	1.928	261.938	121.80	0.967
12	6	8	181.066	2.068	288.262	188.88	0.970
12	6	10	213.505	2.465	313.446	61.12	0.971
12	6	12	46.348	6.302	30.005	68.67	0.892
12	6	14	195.091	2.557	244.367	23.34	0.978
12	6	16	434.552	3.651	620.455	121.00	0.995
12	6	18	450.577	4.215	690.762	117.68	0.995
12	6	20	542.817	4.568	777.184	326.04	0.997
12	6	22	87.630	4.651	72.257	117.98	0.895
12	6	24	200.396	3.195	280.789	152.49	0.975
12	6	26	153.034	4.490	187.346	307.55	0.956
12	6	28	114.426	6.272	140.910	84.21	0.941
12	6	30	85.122	9.335	114.987	186.03	0.898
12	6	32	116.277	7.003	154.189	6.73	0.952
12	6	34	82.711	10.886	106.212	163.29	0.872
12	6	36	157.409	4.953	191.937	31.77	0.981
12	6	38	124.336	6.067	175.293	161.59	0.974
12	6	40	125.894	7.801	179.592	319.99	0.974
12	7	1	127.465	1.684	176.384	75.53	0.967
12	7	3	229.992	2.257	355.214	22.84	0.979
12	7	5	278.765	2.707	391.817	190.03	0.988
12	7	7	138.138	2.088	186.109	140.91	0.969
12	7	9	216.747	2.297	263.333	322.06	0.981
12	7	11	181.199	2.399	219.826	67.01	0.978
12	7	13	437.623	3.702	624.442	347.11	0.994
12	7	15	218.389	2.466	283.687	49.45	0.983
12	7	17	472.109	4.016	617.197	130.78	0.996
12	7	19	43.575	8.797	13.162	90.56	0.523

12	7	21	328.827	3.236	506.388	4.05	0.990
12	7	23	582.126	5.407	821.586	118.20	0.997
12	7	25	258.952	3.082	311.941	170.88	0.987
12	7	27	127.328	4.904	193.592	219.97	0.938
12	7	29	87.226	7.086	71.808	98.49	0.905
12	7	31	100.027	7.283	119.136	104.52	0.941
12	7	33	138.231	5.789	198.241	34.15	0.963
12	7	35	96.415	7.047	136.265	36.23	0.928
12	7	37	48.479	11.528	30.583	326.64	0.869
12	7	39	79.882	12.082	73.253	344.17	0.947
12	7	41	42.666	14.238	14.766	32.07	0.443
12	8	0	312.972	3.795	449.239	0.00	1.000
12	8	2	287.947	3.912	439.050	243.98	0.985
12	8	4	153.818	2.292	223.097	236.48	0.948
12	8	6	203.033	2.034	266.006	105.82	0.979
12	8	8	106.159	3.092	133.930	190.64	0.932
12	8	10	429.744	3.637	603.741	86.86	0.994
12	8	12	115.173	2.855	132.978	242.55	0.911
12	8	14	73.117	4.178	81.049	313.93	0.831
12	8	16	94.807	3.682	48.637	195.85	0.927
12	8	18	271.101	2.759	386.210	159.86	0.988
12	8	20	152.830	3.278	181.243	2.02	0.966
12	8	22	87.703	6.005	79.408	71.59	0.870
12	8	24	175.402	3.406	261.102	341.98	0.961
12	8	26	160.429	3.656	208.697	65.56	0.972
12	8	28	164.975	4.611	230.191	285.36	0.969
12	8	30	111.244	7.322	183.620	178.12	0.909
12	8	32	282.119	4.097	401.100	252.07	0.992
12	8	34	241.468	4.814	379.364	340.90	0.987
12	8	36	87.855	10.751	66.804	100.30	0.946
12	8	38	97.243	9.743	158.653	336.42	0.930
12	8	40	34.953	12.323	9.481	341.91	0.404
12	9	1	147.001	2.034	201.917	57.42	0.962
12	9	3	197.842	2.696	229.664	289.64	0.976
12	9	5	87.998	3.107	93.865	3.34	0.954
12	9	7	231.491	2.267	316.440	312.64	0.986
12	9	9	102.956	3.137	101.420	29.75	0.840
12	9	11	208.806	2.816	230.223	163.60	0.983
12	9	13	397.747	3.571	598.382	339.57	0.994
12	9	15	317.388	2.990	524.511	95.12	0.989
12	9	17	487.868	4.114	716.816	133.43	0.996
12	9	19	252.205	2.852	359.705	240.96	0.984
12	9	21	338.192	3.278	464.816	230.62	0.992
12	9	23	44.267	9.148	28.362	93.71	0.568
12	9	25	168.144	3.727	277.601	183.46	0.952
12	9	27	223.862	3.679	316.781	272.21	0.983
12	9	29	134.836	5.489	232.176	150.50	0.913
12	9	31	46.713	11.778	33.114	85.49	0.882
12	9	33	221.254	4.151	269.111	321.33	0.989
12	9	35	117.180	7.204	173.736	147.01	0.950
12	9	37	102.765	8.148	115.837	200.81	0.971
12	9	39	47.098	13.271	38.338	160.81	0.720
12	10	0	155.085	4.916	222.433	0.00	1.000
12	10	2	42.910	6.703	36.376	336.59	0.529
12	10	4	74.493	4.496	52.076	211.14	0.754
12	10	6	85.784	3.394	61.640	298.09	0.885
12	10	8	191.583	2.398	242.724	192.06	0.968
12	10	10	176.742	2.518	176.121	249.60	0.974
12	10	12	387.305	3.713	557.725	337.73	0.994
12	10	14	218.557	2.634	320.534	17.35	0.979
12	10	16	352.941	3.281	527.313	107.79	0.992
12	10	18	244.276	2.813	372.248	167.21	0.983
12	10	20	280.072	3.091	336.738	262.65	0.990
12	10	22	44.791	9.306	30.162	291.07	0.726
12	10	24	145.260	4.119	129.904	187.96	0.963
12	10	26	184.063	4.063	262.722	264.89	0.976
12	10	28	178.642	4.263	204.653	4.64	0.985
12	10	30	152.784	5.297	228.544	122.58	0.971
12	10	32	90.702	7.637	115.241	78.30	0.915
12	10	34	113.936	6.270	190.957	358.05	0.918
12	10	36	93.054	9.495	117.745	115.89	0.957
12	10	38	83.065	12.131	128.549	137.44	0.869
12	10	40	39.773	12.904	13.720	240.45	0.648
12	11	1	425.824	3.496	572.696	199.85	0.994
12	11	3	123.406	2.771	94.107	46.95	0.939
12	11	5	331.032	3.645	451.130	174.54	0.991
12	11	7	135.967	2.482	169.404	205.45	0.977

12	11	9	248.711	2.601	328.841	183.33	0.987
12	11	11	461.320	3.898	752.938	130.75	0.995
12	11	13	186.130	2.840	189.586	276.17	0.980
12	11	15	83.353	4.644	84.650	21.85	0.816
12	11	17	224.663	3.038	254.938	27.35	0.987
12	11	19	489.885	4.339	710.948	217.26	0.996
12	11	21	194.263	3.411	209.066	11.98	0.977
12	11	23	109.752	5.425	146.343	12.89	0.898
12	11	25	245.214	3.452	354.144	11.73	0.987
12	11	27	402.696	3.886	648.886	347.22	0.994
12	11	29	172.357	4.606	277.826	126.98	0.975
12	11	31	44.621	11.639	21.911	205.17	0.408
12	11	33	30.638	9.831	19.323	137.26	0.542
12	11	35	49.626	12.213	30.056	95.95	0.574
12	11	37	57.675	11.615	66.366	106.39	0.838
12	11	39	54.215	14.064	52.394	1.47	0.695
12	12	0	389.444	5.572	558.684	0.00	1.000
12	12	2	193.569	2.334	249.728	220.59	0.973
12	12	4	228.305	2.963	321.757	122.69	0.979
12	12	6	274.088	3.106	442.697	71.17	0.986
12	12	8	140.726	2.495	160.765	188.67	0.965
12	12	10	153.772	2.969	172.925	168.85	0.972
12	12	12	180.065	2.686	255.606	35.61	0.970
12	12	14	102.752	4.063	148.948	9.70	0.861
12	12	16	416.790	3.739	522.601	127.55	0.995
12	12	18	200.926	3.377	196.598	116.75	0.982
12	12	20	191.460	3.216	237.761	247.68	0.974
12	12	22	214.689	3.488	299.808	333.15	0.975
12	12	24	62.100	9.293	42.641	119.73	0.787
12	12	26	174.924	4.348	258.495	331.09	0.971
12	12	28	161.616	5.013	311.787	244.91	0.924
12	12	30	173.215	4.405	288.217	273.21	0.974
12	12	32	42.823	11.984	6.377	355.18	0.326
12	12	34	34.441	11.052	4.138	55.57	0.210
12	12	36	43.193	12.430	29.155	204.19	0.678
12	12	38	85.617	12.913	117.317	6.48	0.690
12	13	1	283.927	2.731	409.911	11.07	0.991
12	13	3	581.406	5.736	796.668	98.04	0.997
12	13	5	233.928	3.162	287.033	94.43	0.985
12	13	7	318.159	2.851	436.712	128.33	0.992
12	13	9	165.678	2.588	260.564	172.05	0.959
12	13	11	336.915	3.356	482.061	70.97	0.991
12	13	13	89.533	4.407	55.266	114.02	0.919
12	13	15	274.046	3.437	432.747	334.03	0.985
12	13	17	291.645	3.474	385.396	101.51	0.989
12	13	19	315.986	3.413	426.137	55.73	0.990
12	13	21	122.717	4.709	154.605	284.64	0.918
12	13	23	155.303	4.126	234.541	106.24	0.963
12	13	25	56.943	10.049	41.883	129.74	0.655
12	13	27	129.920	5.748	115.844	346.02	0.974
12	13	29	91.834	8.059	138.983	133.21	0.894
12	13	31	105.821	6.498	167.645	24.22	0.924
12	13	33	39.251	11.297	0.916	30.82	0.670
12	13	35	79.571	9.458	123.039	201.00	0.912
12	13	37	60.124	11.354	74.335	209.56	0.809
12	14	0	389.178	4.448	558.169	0.00	1.000
12	14	2	67.490	5.674	80.504	22.93	0.750
12	14	4	126.540	3.373	156.372	70.27	0.954
12	14	6	167.402	3.010	288.212	50.10	0.952
12	14	8	244.563	2.612	325.352	261.90	0.987
12	14	10	322.879	2.910	437.167	182.41	0.992
12	14	12	202.182	3.023	316.152	27.82	0.973
12	14	14	359.447	3.259	469.338	54.42	0.993
12	14	16	295.206	3.256	385.233	109.83	0.990
12	14	18	264.169	3.250	360.158	47.27	0.985
12	14	20	231.241	4.122	346.207	326.49	0.977
12	14	22	115.004	5.397	110.484	210.73	0.960
12	14	24	123.323	5.857	214.992	132.27	0.906
12	14	26	162.614	4.964	220.981	10.82	0.978
12	14	28	40.038	11.021	1.767	243.27	0.588
12	14	30	75.698	11.069	75.580	173.25	0.506
12	14	32	36.270	10.866	4.273	244.48	0.447
12	14	34	69.425	10.143	78.127	224.00	0.929
12	14	36	38.826	11.828	19.049	253.24	0.437
12	14	38	32.097	11.181	2.286	223.52	0.435
12	15	1	298.127	2.711	426.839	15.88	0.991
12	15	3	161.964	2.954	231.430	325.83	0.966

12	15	5	125.301	3.940	196.864	224.58	0.889
12	15	7	550.047	4.902	789.479	301.70	0.997
12	15	9	112.335	3.366	170.076	311.63	0.868
12	15	11	178.754	2.859	293.973	234.88	0.957
12	15	13	134.557	3.896	171.464	208.62	0.951
12	15	15	82.621	5.611	93.021	322.89	0.833
12	15	17	170.643	3.970	247.201	106.14	0.959
12	15	19	261.089	3.375	341.391	195.42	0.987
12	15	21	278.599	3.992	378.999	289.68	0.990
12	15	23	326.510	3.718	495.147	171.27	0.992
12	15	25	80.321	8.026	83.667	294.18	0.931
12	15	27	111.637	5.721	190.936	150.86	0.905
12	15	29	62.056	11.972	51.241	188.81	0.836
12	15	31	59.811	12.471	59.346	253.39	0.796
12	15	33	84.327	7.694	143.533	184.25	0.910
12	15	35	77.202	11.299	83.906	1.95	0.940
12	15	37	57.998	14.819	46.455	61.23	0.873
12	16	0	101.606	6.783	129.735	180.00	0.892
12	16	2	124.967	3.417	181.450	90.37	0.922
12	16	4	70.394	5.632	75.095	30.98	0.734
12	16	6	130.942	4.781	222.124	219.95	0.903
12	16	8	133.498	4.018	157.432	5.92	0.955
12	16	10	420.380	3.588	679.552	302.28	0.994
12	16	12	261.223	2.984	367.143	27.16	0.987
12	16	14	489.586	4.536	648.025	288.65	0.996
12	16	16	184.755	3.236	217.335	254.60	0.975
12	16	18	301.101	3.742	419.549	216.51	0.989
12	16	20	282.208	4.111	414.783	273.72	0.990
12	16	22	188.296	4.048	229.528	177.10	0.980
12	16	24	239.994	3.435	305.338	160.29	0.991
12	16	26	126.537	5.669	176.400	258.79	0.961
12	16	28	127.060	5.878	170.303	209.40	0.963
12	16	30	34.851	10.652	4.056	145.98	0.376
12	16	32	56.107	12.090	69.166	60.43	0.818
12	16	34	47.832	13.238	38.687	176.81	0.746
12	16	36	63.718	14.444	68.132	68.16	0.871
12	17	1	268.866	2.802	309.568	177.41	0.991
12	17	3	258.215	2.836	387.416	257.07	0.985
12	17	5	307.469	4.503	486.032	182.52	0.989
12	17	7	227.877	3.449	324.141	19.20	0.984
12	17	9	382.715	3.520	538.371	284.30	0.994
12	17	11	332.715	3.141	435.572	309.05	0.992
12	17	13	202.308	3.372	301.955	162.45	0.972
12	17	15	284.191	3.493	359.375	228.46	0.988
12	17	17	257.660	3.524	425.096	156.34	0.986
12	17	19	250.088	3.309	320.801	8.99	0.990
12	17	21	176.777	4.491	228.851	268.63	0.977
12	17	23	72.463	10.680	59.362	358.60	0.906
12	17	25	45.275	11.351	19.535	199.44	0.673
12	17	27	134.663	6.333	218.102	286.36	0.956
12	17	29	64.418	9.930	76.889	314.87	0.649
12	17	31	70.939	10.746	107.845	3.92	0.794
12	17	33	107.294	10.019	158.083	162.04	0.646
12	17	35	38.987	10.588	21.162	100.33	0.635
12	18	0	95.142	8.134	105.355	180.00	0.774
12	18	2	110.074	4.667	129.749	216.89	0.940
12	18	4	280.353	3.212	429.267	199.52	0.987
12	18	6	229.011	3.435	366.997	104.78	0.978
12	18	8	175.481	3.434	203.229	265.00	0.972
12	18	10	349.367	3.292	521.010	178.38	0.991
12	18	12	200.803	3.050	299.807	27.99	0.972
12	18	14	64.063	8.047	52.999	182.02	0.650
12	18	16	95.471	7.320	141.704	277.82	0.874
12	18	18	362.153	3.669	505.182	72.19	0.994
12	18	20	86.047	7.863	52.753	10.62	0.949
12	18	22	64.734	11.185	75.644	135.25	0.776
12	18	24	55.482	11.045	2.195	25.50	0.049
12	18	26	65.906	9.712	73.866	300.35	0.817
12	18	28	44.328	11.027	7.826	36.80	0.118
12	18	30	142.507	5.594	211.337	62.65	0.982
12	18	32	58.305	10.244	77.189	355.93	0.817
12	18	34	39.690	12.737	17.557	10.39	0.677
12	19	1	235.848	2.918	343.565	276.55	0.981
12	19	3	150.315	3.853	155.563	321.68	0.964
12	19	5	259.741	3.500	360.680	134.16	0.986
12	19	7	229.833	4.111	322.223	357.18	0.981
12	19	9	166.244	4.256	256.999	58.31	0.956

12	19	11	281.120	3.194	345.855	22.68	0.989
12	19	13	251.598	3.162	319.041	12.68	0.990
12	19	15	112.010	5.413	130.188	110.29	0.946
12	19	17	194.059	4.397	269.333	12.48	0.980
12	19	19	175.186	3.925	351.309	72.78	0.955
12	19	21	134.172	4.612	170.192	355.18	0.972
12	19	23	84.915	11.574	96.898	195.95	0.917
12	19	25	115.969	7.204	189.654	288.72	0.924
12	19	27	210.538	6.450	300.794	281.25	0.988
12	19	29	51.584	10.996	59.159	127.66	0.807
12	19	31	53.619	13.170	44.877	153.03	0.868
12	19	33	47.927	13.083	34.103	310.90	0.469
12	20	0	172.989	5.073	247.527	180.00	1.000
12	20	2	88.267	5.987	120.448	61.06	0.765
12	20	4	94.677	6.877	83.812	75.57	0.900
12	20	6	121.493	5.385	155.125	112.65	0.872
12	20	8	202.663	3.965	225.934	108.30	0.980
12	20	10	261.127	4.000	353.858	43.94	0.990
12	20	12	214.586	3.490	295.038	355.04	0.985
12	20	14	245.067	3.378	376.114	10.70	0.987
12	20	16	102.773	5.783	98.731	145.26	0.937
12	20	18	77.740	9.392	70.228	51.39	0.923
12	20	20	28.283	9.483	21.445	150.17	0.410
12	20	22	92.811	8.186	103.404	292.07	0.941
12	20	24	53.371	12.997	44.909	38.43	0.730
12	20	26	132.022	5.429	175.136	302.23	0.972
12	20	28	34.375	10.833	26.204	344.12	0.858
12	20	30	56.066	13.389	33.409	283.87	0.345
12	20	32	40.910	12.162	6.203	251.20	0.123
12	21	1	210.802	3.300	303.512	39.57	0.977
12	21	3	42.658	10.667	1.412	246.05	0.076
12	21	5	195.972	3.904	366.080	120.58	0.956
12	21	7	60.663	10.470	17.040	108.32	0.888
12	21	9	49.464	11.894	20.584	109.39	0.563
12	21	11	121.411	4.943	114.031	196.72	0.962
12	21	13	152.434	3.914	226.683	199.32	0.966
12	21	15	108.826	6.261	127.924	207.81	0.958
12	21	17	228.853	3.678	353.760	81.52	0.988
12	21	19	123.384	5.741	148.893	82.97	0.967
12	21	21	158.483	4.029	206.395	228.93	0.980
12	21	23	52.835	10.479	34.384	284.29	0.585
12	21	25	122.886	5.778	168.169	316.52	0.966
12	21	27	37.765	11.387	20.726	185.36	0.706
12	21	29	52.944	15.677	32.265	178.79	0.863
12	21	31	44.060	13.779	25.466	113.47	0.475
12	22	0	43.499	14.261	36.443	0.00	0.593
12	22	2	115.336	5.570	212.661	182.11	0.779
12	22	4	192.833	4.445	326.275	8.94	0.975
12	22	6	202.756	3.999	262.113	16.61	0.985
12	22	8	98.683	8.345	165.226	332.24	0.834
12	22	10	126.414	8.126	193.759	309.00	0.944
12	22	12	104.843	5.812	121.310	293.89	0.962
12	22	14	67.857	8.212	87.663	142.04	0.828
12	22	16	205.442	3.886	331.055	92.24	0.985
12	22	18	79.357	9.359	28.993	297.99	0.949
12	22	20	70.626	9.967	87.851	59.11	0.847
12	22	22	125.005	6.279	139.353	273.39	0.974
12	22	24	46.057	11.119	14.620	190.08	0.797
12	22	26	68.162	10.772	95.758	281.16	0.896
12	22	28	41.860	13.530	15.678	268.98	0.785
12	22	30	34.549	11.664	15.402	0.03	0.574
12	23	1	158.256	5.344	281.923	337.64	0.946
12	23	3	39.486	10.909	13.965	297.95	0.683
12	23	5	101.381	6.004	164.899	304.61	0.866
12	23	7	67.175	10.286	50.767	133.79	0.865
12	23	9	56.247	12.230	28.875	105.85	0.304
12	23	11	59.958	9.924	57.445	7.20	0.597
12	23	13	119.179	5.825	196.375	259.88	0.949
12	23	15	34.063	10.139	2.729	315.92	0.477
12	23	17	125.468	5.763	198.792	17.76	0.957
12	23	19	52.592	10.179	28.873	138.09	0.827
12	23	21	52.653	11.757	46.669	239.14	0.599
12	23	23	95.205	10.419	103.414	128.46	0.948
12	23	25	125.937	8.680	181.248	112.79	0.978
12	23	27	70.775	13.454	104.769	134.07	0.810
12	23	29	40.011	12.474	10.425	139.23	0.816
12	24	0	217.568	6.624	310.508	0.00	1.000

12	24	2	205.310	4.116	307.096	292.38	0.987
12	24	4	114.244	6.584	147.797	318.23	0.960
12	24	6	277.027	3.699	394.111	246.38	0.993
12	24	8	39.809	11.974	23.738	77.95	0.810
12	24	10	55.082	9.633	37.303	218.59	0.846
12	24	12	77.146	9.032	109.626	129.92	0.877
12	24	14	137.442	4.865	165.084	184.16	0.975
12	24	16	168.175	4.478	264.053	133.59	0.977
12	24	18	190.886	4.351	290.343	240.64	0.986
12	24	20	56.845	11.044	43.459	298.22	0.828
12	24	22	165.199	4.952	232.807	138.16	0.989
12	24	24	110.669	9.282	154.960	51.94	0.972
12	24	26	133.831	8.997	223.754	34.95	0.975
12	24	28	41.276	13.234	12.231	121.65	0.805
12	25	1	96.152	7.540	122.908	303.38	0.943
12	25	3	109.599	5.836	153.096	245.88	0.955
12	25	5	275.495	3.732	416.948	220.50	0.993
12	25	7	126.432	4.573	251.273	146.60	0.928
12	25	9	111.893	6.434	148.582	326.01	0.956
12	25	11	119.625	5.999	218.416	187.11	0.937
12	25	13	120.559	6.173	147.941	338.59	0.966
12	25	15	132.953	5.635	199.793	77.05	0.971
12	25	17	35.143	10.195	20.233	97.21	0.757
12	25	19	114.349	6.968	167.952	354.16	0.958
12	25	21	165.632	6.214	271.079	351.24	0.986
12	25	23	39.065	13.073	17.826	270.19	0.513
12	25	25	43.739	12.637	28.794	45.86	0.507
12	26	0	31.162	15.026	25.163	180.00	0.580
12	26	2	186.156	3.935	275.278	69.78	0.984
12	26	4	64.750	10.803	80.077	311.31	0.760
12	26	6	52.066	11.392	33.006	234.21	0.578
12	26	8	114.315	6.991	154.511	201.98	0.957
12	26	10	128.727	9.326	255.572	45.70	0.919
12	26	12	95.106	9.346	152.363	200.18	0.925
12	26	14	117.785	6.566	181.870	273.44	0.959
12	26	16	39.323	10.393	16.292	25.41	0.530
12	26	18	78.846	8.316	94.339	19.35	0.956
12	26	20	75.388	11.721	118.259	191.46	0.881
12	26	22	33.510	11.085	11.763	105.43	0.641
12	26	24	90.417	14.998	115.485	212.18	0.944
12	27	1	65.588	8.853	72.685	309.91	0.586
12	27	3	35.601	10.444	0.365	127.85	0.575
12	27	5	78.043	8.476	109.571	5.19	0.882
12	27	7	115.111	5.798	180.423	37.06	0.948
12	27	9	63.564	11.041	62.012	105.12	0.518
12	27	11	51.890	11.857	48.486	196.54	0.670
12	27	13	85.243	11.019	112.641	136.27	0.923
12	27	15	44.428	11.255	41.947	52.09	0.781
12	27	17	31.219	9.804	2.987	57.26	0.084
12	27	19	73.084	14.659	97.633	269.32	0.901
12	27	21	38.127	12.363	18.148	169.43	0.697
12	27	23	32.418	11.269	4.918	130.30	0.280
12	28	0	45.108	17.196	43.366	180.00	0.699
12	28	2	34.577	10.306	26.245	328.26	0.766
12	28	4	31.647	10.278	2.936	217.90	0.316
12	28	6	38.316	12.019	15.582	270.23	0.415
12	28	8	114.154	6.511	169.360	56.81	0.960
12	28	10	67.218	10.888	26.391	128.04	0.930
12	28	12	36.935	11.252	19.843	354.39	0.411
12	28	14	53.610	13.652	52.402	135.98	0.569
12	28	16	38.411	11.777	11.281	90.26	0.795
12	28	18	50.635	13.633	54.172	150.15	0.671
12	28	20	43.576	13.653	23.487	304.67	0.788
12	29	1	155.004	5.369	244.599	99.07	0.978
12	29	3	49.314	11.770	33.178	148.82	0.754
12	29	5	73.694	9.392	113.443	115.86	0.812
12	29	7	60.143	10.524	80.246	102.16	0.894
12	29	9	66.043	9.469	93.419	192.69	0.904
12	29	11	44.630	12.431	36.398	301.35	0.789
12	29	13	52.761	14.134	58.662	342.76	0.725
12	29	15	44.186	14.293	17.459	249.24	0.257
12	29	17	54.004	14.593	53.646	160.57	0.816
12	29	19	28.855	9.812	5.145	178.71	0.376
12	30	0	68.867	22.589	77.982	180.00	0.884
12	30	2	44.162	10.673	41.454	190.69	0.596
12	30	4	114.512	8.064	174.524	136.88	0.973
12	30	6	47.927	12.719	46.757	213.10	0.671

12	30	8	92.929	10.384	162.617	266.65	0.932
12	30	10	53.981	13.475	63.545	162.35	0.671
12	30	12	35.016	11.558	18.476	224.88	0.590
12	30	14	42.629	12.637	27.978	52.47	0.757
12	30	16	51.712	14.910	38.684	52.34	0.826
12	31	1	41.943	12.198	36.311	135.50	0.637
12	31	3	82.095	10.045	129.538	250.09	0.936
12	31	5	73.816	11.308	114.074	261.21	0.763
12	31	7	54.469	13.761	65.538	324.77	0.796
12	31	9	36.557	11.383	21.476	243.39	0.653
12	31	11	35.839	11.100	16.521	221.55	0.724
12	32	0	24.970	17.008	3.185	0.00	0.105
12	32	2	39.397	12.022	25.039	325.52	0.518
12	32	4	79.568	10.746	118.231	165.55	0.671
12	32	6	45.677	12.507	36.913	173.07	0.818
13	0	1	39.370	6.498	26.621	180.00	0.483
13	0	3	14.632	6.539	10.555	180.00	0.500
13	0	5	239.897	3.409	345.513	180.00	1.000
13	0	7	271.958	3.024	391.141	180.00	1.000
13	0	9	218.716	2.713	314.106	0.00	1.000
13	0	11	116.837	3.086	166.826	180.00	0.999
13	0	13	158.000	3.058	222.649	0.00	0.988
13	0	15	160.416	3.759	228.214	180.00	1.000
13	0	17	266.411	3.730	377.336	0.00	1.000
13	0	19	339.306	4.560	478.342	180.00	1.000
13	0	21	44.278	12.248	30.407	0.00	0.491
13	0	23	169.426	4.358	236.202	180.00	1.000
13	0	25	99.660	7.789	137.637	180.00	0.999
13	0	27	323.745	5.039	445.592	0.00	1.000
13	0	29	78.268	12.414	105.565	0.00	0.992
13	0	31	210.680	6.159	285.196	180.00	1.000
13	0	33	45.809	16.564	46.972	0.00	0.776
13	0	35	28.090	13.432	27.930	0.00	0.762
13	0	37	152.039	8.411	198.754	180.00	1.000
13	0	39	32.134	14.900	16.209	180.00	0.406
13	0	41	35.452	15.934	3.804	180.00	0.090
13	1	0	251.345	3.924	362.817	180.00	1.000
13	1	2	568.891	5.426	874.981	78.55	0.997
13	1	4	220.664	2.450	316.907	89.45	0.986
13	1	6	65.144	2.337	38.315	83.84	0.786
13	1	8	179.931	1.745	262.716	105.85	0.983
13	1	10	105.267	2.395	115.467	313.76	0.920
13	1	12	112.666	2.671	131.703	314.80	0.908
13	1	14	272.019	2.552	456.109	53.78	0.979
13	1	16	114.948	3.000	156.979	20.05	0.891
13	1	18	495.379	4.481	694.319	229.94	0.996
13	1	20	393.108	3.569	573.728	335.09	0.993
13	1	22	418.849	3.771	551.120	259.74	0.995
13	1	24	410.534	3.809	578.737	350.77	0.994
13	1	26	54.225	9.764	9.231	315.26	0.570
13	1	28	163.723	4.251	228.059	133.19	0.971
13	1	30	124.411	5.408	131.625	308.26	0.969
13	1	32	44.972	11.072	21.539	236.49	0.620
13	1	34	34.466	10.511	5.275	191.05	0.286
13	1	36	130.953	6.218	191.095	121.26	0.963
13	1	38	37.630	11.328	14.950	126.48	0.389
13	1	40	35.037	11.236	8.772	55.12	0.638
13	2	1	140.374	2.543	171.440	2.62	0.979
13	2	3	121.890	2.286	194.121	299.94	0.878
13	2	5	254.726	2.690	353.490	128.16	0.985
13	2	7	221.523	2.028	304.553	269.36	0.982
13	2	9	139.396	1.909	144.246	57.14	0.959
13	2	11	225.341	2.141	303.150	8.53	0.986
13	2	13	319.568	2.880	415.534	169.99	0.991
13	2	15	152.588	2.540	295.560	279.16	0.901
13	2	17	185.846	2.643	290.689	350.35	0.975
13	2	19	34.851	8.089	16.261	273.74	0.153
13	2	21	395.171	3.820	531.012	152.95	0.994
13	2	23	79.483	6.310	65.300	128.30	0.836
13	2	25	178.982	3.615	206.117	37.82	0.972
13	2	27	51.360	10.040	19.316	143.98	0.446
13	2	29	137.108	4.719	256.925	44.75	0.898
13	2	31	86.571	8.698	130.581	112.56	0.854
13	2	33	65.772	10.143	56.905	264.06	0.858
13	2	35	49.055	12.838	26.647	139.57	0.693
13	2	37	46.121	13.205	26.982	235.43	0.834
13	2	39	33.081	10.642	17.129	220.26	0.789

13	2	41	40.942	12.783	19.581	45.37	0.404
13	3	0	178.850	3.401	258.112	180.00	1.000
13	3	2	118.094	2.922	175.241	3.27	0.920
13	3	4	336.871	3.251	438.149	288.62	0.992
13	3	6	549.260	5.922	789.584	232.67	0.996
13	3	8	180.717	1.906	250.976	158.14	0.959
13	3	10	259.020	2.491	409.404	102.44	0.984
13	3	12	234.755	2.348	354.805	257.14	0.973
13	3	14	277.270	2.853	385.691	352.15	0.987
13	3	16	527.703	5.572	718.435	259.92	0.997
13	3	18	125.350	3.928	133.266	169.87	0.950
13	3	20	274.418	3.185	365.709	246.66	0.989
13	3	22	218.045	3.030	304.737	291.78	0.981
13	3	24	329.734	3.348	461.909	212.71	0.990
13	3	26	169.492	4.790	215.012	301.21	0.966
13	3	28	130.885	8.036	153.462	200.14	0.957
13	3	30	88.694	12.485	131.717	181.87	0.874
13	3	32	217.842	4.945	376.637	121.72	0.983
13	3	34	87.382	8.692	76.168	81.75	0.939
13	3	36	32.421	10.431	13.780	246.34	0.549
13	3	38	30.311	9.903	0.516	118.03	0.293
13	3	40	41.048	12.887	21.973	235.54	0.487
13	4	1	165.552	3.180	216.557	286.25	0.971
13	4	3	445.406	4.262	620.097	62.39	0.994
13	4	5	274.916	2.939	395.220	305.25	0.986
13	4	7	148.282	1.910	248.666	194.98	0.963
13	4	9	488.014	4.083	698.330	71.22	0.995
13	4	11	310.584	3.006	417.009	53.98	0.989
13	4	13	144.253	2.241	228.031	196.55	0.928
13	4	15	318.961	2.970	497.538	147.85	0.990
13	4	17	270.346	2.799	365.336	101.35	0.988
13	4	19	177.905	2.816	237.238	100.56	0.973
13	4	21	342.191	3.258	445.682	5.04	0.993
13	4	23	391.445	3.541	540.194	110.28	0.993
13	4	25	127.053	4.644	150.639	288.78	0.942
13	4	27	189.664	4.001	276.339	231.47	0.976
13	4	29	117.767	5.522	185.052	248.16	0.919
13	4	31	74.169	10.028	82.116	290.07	0.864
13	4	33	44.935	10.566	14.873	136.43	0.608
13	4	35	76.203	11.999	45.263	129.06	0.934
13	4	37	120.059	7.791	205.368	151.77	0.959
13	4	39	51.574	12.913	32.831	299.07	0.881
13	4	41	39.657	12.478	2.907	244.32	0.819
13	5	0	26.416	15.393	12.219	180.00	0.333
13	5	2	304.997	3.415	476.792	45.45	0.987
13	5	4	345.522	3.451	500.993	80.14	0.990
13	5	6	83.652	1.972	22.788	260.56	0.921
13	5	8	219.016	2.270	342.646	240.04	0.980
13	5	10	262.679	2.649	381.742	219.06	0.981
13	5	12	382.616	3.228	541.468	36.04	0.992
13	5	14	308.359	2.818	424.010	16.39	0.991
13	5	16	300.070	2.870	426.333	113.31	0.991
13	5	18	233.602	2.733	348.753	150.52	0.982
13	5	20	76.382	5.622	68.693	20.09	0.709
13	5	22	386.612	3.618	608.236	98.09	0.992
13	5	24	234.971	3.381	320.092	82.28	0.980
13	5	26	131.381	4.652	171.452	43.62	0.957
13	5	28	148.154	5.068	197.390	117.13	0.965
13	5	30	223.865	3.719	347.706	63.20	0.985
13	5	32	34.025	10.628	13.787	282.53	0.477
13	5	34	61.306	12.008	55.973	256.29	0.774
13	5	36	55.856	11.124	43.658	161.17	0.771
13	5	38	73.598	11.593	96.353	182.24	0.905
13	5	40	55.601	14.471	52.072	31.93	0.705
13	6	1	166.795	2.302	249.200	95.03	0.970
13	6	3	169.894	2.063	270.931	152.21	0.934
13	6	5	321.513	2.894	485.514	61.57	0.989
13	6	7	550.338	4.808	746.392	213.05	0.996
13	6	9	51.871	4.317	19.545	19.11	0.593
13	6	11	178.916	2.466	270.886	308.14	0.968
13	6	13	464.775	3.742	653.958	305.53	0.996
13	6	15	294.557	2.795	426.364	56.21	0.989
13	6	17	201.581	2.880	256.362	113.59	0.982
13	6	19	497.054	4.434	714.712	320.65	0.996
13	6	21	142.747	3.549	182.655	250.81	0.961
13	6	23	295.366	3.258	379.323	54.52	0.989
13	6	25	121.270	4.678	131.722	220.20	0.941

13	6	27	76.836	7.629	58.301	16.47	0.379
13	6	29	104.488	6.287	137.257	159.18	0.944
13	6	31	90.792	8.194	127.117	68.09	0.910
13	6	33	102.474	6.790	128.205	329.38	0.945
13	6	35	52.815	12.486	34.188	6.81	0.751
13	6	37	44.019	11.865	23.065	347.05	0.414
13	6	39	67.631	13.912	26.875	358.98	0.229
13	7	0	310.117	4.506	447.331	180.00	1.000
13	7	2	131.740	1.692	179.594	319.32	0.947
13	7	4	382.220	3.693	548.560	330.38	0.992
13	7	6	93.400	2.257	121.118	323.60	0.960
13	7	8	395.243	3.298	610.699	2.40	0.992
13	7	10	280.158	2.588	369.213	116.78	0.988
13	7	12	73.407	4.320	91.478	112.01	0.908
13	7	14	408.648	3.498	650.184	320.23	0.993
13	7	16	428.734	3.533	613.871	133.64	0.995
13	7	18	115.103	3.493	150.464	143.28	0.934
13	7	20	268.517	2.983	353.325	43.26	0.988
13	7	22	481.224	4.168	619.073	220.84	0.996
13	7	24	234.901	3.339	373.166	330.94	0.974
13	7	26	146.611	4.497	192.703	175.69	0.966
13	7	28	134.877	5.136	198.152	176.86	0.949
13	7	30	183.927	3.799	256.702	311.48	0.983
13	7	32	179.355	4.583	241.592	215.77	0.982
13	7	34	204.517	4.931	286.299	12.17	0.987
13	7	36	40.567	11.457	4.819	290.87	0.111
13	7	38	166.543	6.149	268.117	348.98	0.983
13	7	40	47.672	13.874	30.745	53.55	0.588
13	8	1	125.581	1.885	169.952	92.72	0.962
13	8	3	217.048	2.323	317.524	294.27	0.981
13	8	5	221.097	2.354	321.306	323.94	0.971
13	8	7	115.782	2.256	158.907	344.18	0.928
13	8	9	254.479	2.504	314.553	99.18	0.988
13	8	11	92.075	3.646	122.683	114.75	0.805
13	8	13	404.380	3.574	593.052	41.00	0.994
13	8	15	185.212	2.570	305.374	39.43	0.960
13	8	17	304.079	2.905	421.387	131.07	0.989
13	8	19	159.417	3.280	268.613	188.98	0.944
13	8	21	144.464	3.503	101.156	248.62	0.969
13	8	23	61.254	7.659	11.514	151.72	0.273
13	8	25	300.827	3.447	456.272	30.71	0.991
13	8	27	131.804	5.057	247.731	238.50	0.888
13	8	29	57.952	11.476	50.913	80.78	0.738
13	8	31	164.806	5.582	201.537	210.77	0.981
13	8	33	114.070	7.883	150.310	51.64	0.952
13	8	35	64.937	14.156	69.775	51.95	0.791
13	8	37	83.564	12.078	95.958	22.18	0.946
13	8	39	42.688	12.780	29.672	288.29	0.620
13	9	0	92.211	3.943	129.442	180.00	0.977
13	9	2	149.877	1.999	234.569	125.71	0.898
13	9	4	181.784	2.668	296.694	123.01	0.962
13	9	6	348.573	3.465	488.172	89.09	0.990
13	9	8	382.123	3.359	539.585	141.93	0.994
13	9	10	205.396	2.379	278.087	208.73	0.982
13	9	12	172.415	2.497	236.925	20.35	0.979
13	9	14	468.001	4.135	752.822	54.94	0.995
13	9	16	411.093	3.586	614.110	122.73	0.994
13	9	18	355.410	3.260	557.119	128.73	0.991
13	9	20	230.484	2.946	321.151	353.26	0.981
13	9	22	408.683	3.800	521.609	44.10	0.994
13	9	24	177.379	3.837	215.934	197.00	0.979
13	9	26	83.422	7.796	109.816	84.49	0.803
13	9	28	147.644	4.992	216.726	41.04	0.971
13	9	30	93.089	7.201	119.389	286.30	0.929
13	9	32	149.846	4.944	163.337	263.93	0.978
13	9	34	72.933	10.729	92.809	102.27	0.834
13	9	36	144.258	5.635	212.695	316.06	0.982
13	9	38	31.416	10.316	4.008	263.38	0.426
13	10	1	313.525	2.987	509.386	184.36	0.985
13	10	3	373.266	3.999	538.019	306.16	0.992
13	10	5	181.658	2.756	310.639	359.16	0.913
13	10	7	298.013	2.778	469.037	293.36	0.989
13	10	9	242.838	2.597	301.464	157.51	0.990
13	10	11	315.124	3.252	452.365	212.65	0.991
13	10	13	178.462	2.479	295.446	207.83	0.956
13	10	15	287.178	3.187	576.511	253.18	0.973
13	10	17	337.873	3.182	464.301	128.01	0.992

13	10	19	247.025	2.911	318.022	338.26	0.986
13	10	21	274.609	3.087	421.643	245.02	0.985
13	10	23	163.563	4.004	278.807	279.38	0.881
13	10	25	225.515	3.361	368.284	272.95	0.981
13	10	27	142.785	4.670	226.986	156.27	0.964
13	10	29	113.507	6.193	151.249	241.77	0.952
13	10	31	93.505	7.408	154.465	328.83	0.856
13	10	33	120.482	6.238	126.773	277.68	0.972
13	10	35	86.594	9.007	84.677	36.66	0.961
13	10	37	43.143	12.035	19.815	160.77	0.808
13	10	39	103.669	10.031	171.983	52.19	0.933
13	11	0	77.845	4.901	111.538	180.00	1.000
13	11	2	175.638	2.645	288.550	254.36	0.779
13	11	4	457.587	4.717	680.993	287.04	0.996
13	11	6	197.337	2.798	264.884	38.14	0.982
13	11	8	318.963	2.751	503.063	324.07	0.990
13	11	10	106.315	3.754	150.041	331.96	0.884
13	11	12	126.820	3.121	117.550	135.70	0.965
13	11	14	28.984	8.055	59.201	290.91	0.333
13	11	16	149.755	3.346	200.052	205.60	0.958
13	11	18	130.720	3.792	191.264	203.10	0.945
13	11	20	64.387	7.849	48.985	293.05	0.749
13	11	22	75.269	7.282	44.947	217.74	0.820
13	11	24	238.312	3.444	348.298	180.45	0.986
13	11	26	233.322	3.736	322.118	200.55	0.990
13	11	28	42.213	11.738	6.823	145.58	0.263
13	11	30	197.255	4.017	301.331	278.00	0.983
13	11	32	67.339	10.076	83.817	269.16	0.738
13	11	34	112.633	6.934	138.350	144.50	0.960
13	11	36	47.605	13.207	27.104	190.27	0.851
13	11	38	70.456	12.624	54.334	351.63	0.430
13	12	1	303.004	2.739	429.234	147.28	0.990
13	12	3	166.466	3.230	244.026	67.18	0.974
13	12	5	197.466	3.017	266.363	258.16	0.980
13	12	7	237.075	2.650	321.581	39.46	0.985
13	12	9	257.941	2.552	368.312	190.41	0.986
13	12	11	276.472	2.774	367.207	92.89	0.989
13	12	13	90.534	3.601	96.857	60.54	0.883
13	12	15	345.109	3.966	508.937	35.65	0.992
13	12	17	336.259	3.337	472.865	323.71	0.992
13	12	19	198.644	3.298	305.559	239.04	0.967
13	12	21	102.530	6.004	114.659	354.14	0.891
13	12	23	101.812	5.572	158.848	29.73	0.885
13	12	25	205.338	3.889	308.290	330.74	0.980
13	12	27	151.361	5.224	212.057	243.19	0.975
13	12	29	160.898	4.261	239.883	179.68	0.975
13	12	31	36.117	10.817	1.349	125.59	0.326
13	12	33	35.804	10.997	2.070	90.52	0.338
13	12	35	37.914	11.108	7.802	188.12	0.203
13	12	37	54.892	11.423	55.731	235.96	0.856
13	13	0	186.485	5.040	268.559	0.00	1.000
13	13	2	293.454	2.867	410.248	158.10	0.990
13	13	4	62.602	5.469	44.095	12.60	0.533
13	13	6	227.634	2.922	292.005	39.00	0.987
13	13	8	201.945	2.458	309.381	204.46	0.977
13	13	10	157.307	2.899	180.713	159.19	0.972
13	13	12	129.149	3.508	137.194	178.76	0.966
13	13	14	178.700	2.974	260.975	342.10	0.971
13	13	16	167.772	3.921	221.923	219.61	0.963
13	13	18	190.509	3.200	273.228	271.21	0.970
13	13	20	180.262	3.385	171.660	332.99	0.976
13	13	22	214.877	3.747	241.206	340.47	0.986
13	13	24	270.647	3.582	410.744	327.79	0.989
13	13	26	258.113	3.584	435.846	350.21	0.989
13	13	28	145.742	4.798	202.042	352.16	0.972
13	13	30	43.809	11.047	20.370	276.17	0.679
13	13	32	129.332	5.669	197.463	175.15	0.962
13	13	34	127.781	5.917	189.728	106.37	0.977
13	13	36	43.973	13.005	34.656	328.56	0.652
13	14	1	43.474	7.922	2.833	92.67	0.410
13	14	3	245.461	3.281	349.945	277.38	0.987
13	14	5	133.264	4.148	168.250	340.26	0.952
13	14	7	151.651	2.912	222.306	36.70	0.956
13	14	9	94.183	4.584	63.525	297.29	0.332
13	14	11	305.715	2.977	435.836	227.71	0.991
13	14	13	110.253	3.507	146.831	351.74	0.902
13	14	15	105.850	5.047	80.248	344.23	0.943

13	14	17	171.406	3.823	178.759	217.72	0.975
13	14	19	273.033	3.845	433.983	206.52	0.983
13	14	21	119.634	5.658	190.336	245.02	0.930
13	14	23	213.877	3.735	255.160	140.99	0.986
13	14	25	119.645	6.505	141.905	71.47	0.964
13	14	27	74.309	7.931	92.683	281.54	0.861
13	14	29	51.175	11.243	30.853	239.34	0.557
13	14	31	94.247	8.706	156.324	34.56	0.871
13	14	33	35.895	11.071	12.682	74.75	0.848
13	14	35	73.006	13.219	107.168	274.36	0.863
13	14	37	40.203	12.799	16.775	71.23	0.395
13	15	0	344.294	5.142	495.976	0.00	1.000
13	15	2	352.753	3.165	473.774	206.13	0.993
13	15	4	196.538	3.739	302.422	18.04	0.975
13	15	6	288.500	3.269	402.494	1.29	0.990
13	15	8	189.047	3.357	186.512	278.24	0.980
13	15	10	125.151	4.253	148.241	106.55	0.957
13	15	12	33.299	9.056	13.565	104.75	0.552
13	15	14	50.837	10.582	29.431	56.80	0.812
13	15	16	346.364	3.448	520.486	59.44	0.991
13	15	18	279.084	3.566	398.382	190.64	0.991
13	15	20	209.033	4.313	282.040	358.89	0.984
13	15	22	110.514	5.772	192.148	128.53	0.786
13	15	24	141.677	5.362	173.548	176.16	0.976
13	15	26	156.904	5.030	221.517	196.56	0.977
13	15	28	144.030	4.789	180.738	149.69	0.974
13	15	30	54.916	12.151	25.399	333.39	0.868
13	15	32	40.251	11.246	13.980	356.70	0.829
13	15	34	108.795	9.334	172.879	30.79	0.956
13	15	36	46.711	11.762	40.853	168.75	0.640
13	16	1	219.913	2.979	304.845	242.46	0.983
13	16	3	117.182	4.112	118.575	71.72	0.960
13	16	5	95.211	4.698	94.917	15.62	0.934
13	16	7	131.228	5.003	140.472	2.27	0.957
13	16	9	89.100	4.694	98.659	11.45	0.913
13	16	11	163.574	3.482	233.345	341.53	0.962
13	16	13	332.382	3.224	510.401	115.93	0.989
13	16	15	559.066	5.025	837.143	103.75	0.996
13	16	17	231.391	3.288	324.933	209.77	0.986
13	16	19	129.206	5.412	179.884	39.03	0.952
13	16	21	118.113	6.251	214.582	73.16	0.934
13	16	23	55.205	11.072	50.652	254.88	0.763
13	16	25	174.600	4.269	237.509	101.24	0.982
13	16	27	185.098	4.766	351.587	119.34	0.969
13	16	29	61.222	11.335	38.924	272.30	0.354
13	16	31	99.879	6.887	100.882	55.45	0.974
13	16	33	97.796	7.567	143.677	207.35	0.955
13	16	35	79.487	13.925	87.509	57.74	0.935
13	17	0	135.225	8.000	191.292	0.00	0.984
13	17	2	118.816	3.908	201.723	175.25	0.782
13	17	4	494.303	4.967	749.566	225.71	0.996
13	17	6	120.324	5.308	137.787	286.68	0.942
13	17	8	165.372	4.534	192.781	129.13	0.969
13	17	10	162.789	3.533	222.818	330.64	0.965
13	17	12	110.774	4.663	171.571	334.52	0.885
13	17	14	174.173	3.150	194.591	69.68	0.972
13	17	16	129.866	5.507	134.544	236.85	0.965
13	17	18	193.472	3.893	230.638	20.84	0.983
13	17	20	237.857	4.452	346.086	164.88	0.990
13	17	22	55.426	11.530	20.864	43.22	0.866
13	17	24	132.767	5.431	254.890	45.45	0.928
13	17	26	197.742	3.848	282.160	30.42	0.985
13	17	28	61.173	11.268	53.540	294.28	0.861
13	17	30	66.292	9.586	70.214	358.78	0.926
13	17	32	102.660	10.478	162.611	159.20	0.951
13	17	34	59.958	13.463	64.565	161.34	0.635
13	18	1	269.112	3.110	349.976	176.31	0.988
13	18	3	48.839	9.830	9.443	163.82	0.382
13	18	5	80.493	8.829	89.749	256.05	0.795
13	18	7	86.224	5.700	69.473	220.29	0.505
13	18	9	28.645	8.503	8.733	193.55	0.068
13	18	11	354.581	3.425	584.849	217.36	0.990
13	18	13	319.787	3.443	435.340	333.88	0.993
13	18	15	142.734	4.430	196.515	31.51	0.963
13	18	17	111.454	6.154	147.280	204.29	0.938
13	18	19	215.678	3.735	317.404	192.59	0.988
13	18	21	34.989	9.555	8.749	338.12	0.328

13	18	23	90.202	9.868	100.742	276.57	0.937
13	18	25	138.028	6.066	173.396	14.51	0.973
13	18	27	51.465	10.344	31.534	345.25	0.733
13	18	29	87.213	8.052	69.007	348.68	0.969
13	18	31	40.346	11.777	24.906	258.09	0.662
13	18	33	98.913	9.942	145.159	40.22	0.954
13	19	0	84.880	15.832	67.591	0.00	0.556
13	19	2	275.314	3.182	337.582	208.32	0.989
13	19	4	192.399	3.754	298.220	1.33	0.969
13	19	6	88.182	8.560	50.773	333.75	0.920
13	19	8	269.509	4.175	412.149	36.49	0.985
13	19	10	244.693	3.275	326.117	228.61	0.989
13	19	12	107.096	5.264	122.755	41.59	0.942
13	19	14	136.252	5.811	168.040	222.63	0.964
13	19	16	79.457	7.361	92.832	317.54	0.871
13	19	18	161.460	4.492	265.647	132.32	0.973
13	19	20	62.927	10.310	28.252	95.07	0.242
13	19	22	165.437	4.502	186.365	306.74	0.984
13	19	24	169.012	5.825	256.042	291.43	0.977
13	19	26	74.781	10.954	90.972	149.54	0.898
13	19	28	109.211	6.703	197.766	237.05	0.952
13	19	30	48.677	12.128	39.044	231.27	0.815
13	19	32	85.581	12.730	135.336	316.14	0.899
13	20	1	210.677	3.583	234.668	76.58	0.983
13	20	3	273.520	3.298	417.353	264.86	0.986
13	20	5	167.156	3.892	189.517	97.95	0.969
13	20	7	190.913	4.141	284.528	109.80	0.980
13	20	9	220.625	4.872	373.751	55.66	0.980
13	20	11	241.028	3.322	359.314	316.56	0.987
13	20	13	91.455	6.459	125.537	118.55	0.903
13	20	15	145.134	4.598	212.832	81.62	0.973
13	20	17	334.065	3.611	505.109	23.60	0.995
13	20	19	77.082	9.571	69.838	85.11	0.928
13	20	21	79.871	8.273	119.158	28.83	0.868
13	20	23	179.840	5.042	252.575	259.45	0.982
13	20	25	55.015	15.586	18.358	13.89	0.253
13	20	27	166.419	4.740	288.988	266.57	0.985
13	20	29	33.828	10.588	11.555	306.10	0.621
13	20	31	40.967	12.253	22.911	258.83	0.494
13	21	0	185.317	8.832	266.121	180.00	1.000
13	21	2	195.623	3.776	308.697	68.27	0.979
13	21	4	71.940	10.027	96.389	174.73	0.764
13	21	6	182.075	4.380	222.206	39.84	0.981
13	21	8	242.869	4.378	329.448	162.69	0.989
13	21	10	206.480	4.245	298.182	41.28	0.983
13	21	12	130.238	4.297	209.141	79.21	0.962
13	21	14	268.534	3.505	418.834	4.85	0.992
13	21	16	125.027	5.686	127.489	284.17	0.973
13	21	18	57.507	10.792	54.575	161.73	0.774
13	21	20	138.029	5.752	179.198	132.02	0.973
13	21	22	37.954	10.700	4.528	139.07	0.609
13	21	24	78.824	7.584	107.294	47.58	0.905
13	21	26	44.869	11.706	36.460	269.54	0.797
13	21	28	84.881	13.960	134.895	152.61	0.852
13	21	30	65.084	14.056	74.153	165.18	0.646
13	22	1	144.948	5.071	247.325	22.38	0.956
13	22	3	248.261	3.734	323.112	33.47	0.989
13	22	5	74.399	9.382	80.533	28.49	0.611
13	22	7	66.507	12.221	28.767	128.56	0.867
13	22	9	233.987	4.903	341.015	281.75	0.990
13	22	11	103.107	6.602	128.053	296.80	0.955
13	22	13	94.207	6.667	62.615	333.46	0.370
13	22	15	148.956	4.695	164.346	37.58	0.981
13	22	17	63.725	10.535	62.858	293.53	0.863
13	22	19	40.022	11.568	13.048	96.52	0.730
13	22	21	45.884	11.046	9.957	219.08	0.819
13	22	23	117.472	5.637	181.736	57.01	0.958
13	22	25	69.281	9.981	98.773	273.51	0.700
13	22	27	68.926	12.724	104.176	29.18	0.834
13	22	29	45.804	15.523	29.639	217.55	0.720
13	23	0	68.490	16.605	97.315	0.00	1.000
13	23	2	189.834	4.001	294.038	22.73	0.984
13	23	4	106.138	7.888	152.422	28.64	0.951
13	23	6	37.276	10.251	2.622	83.00	0.597
13	23	8	149.031	5.126	245.211	307.67	0.970
13	23	10	214.379	4.641	298.158	293.09	0.989
13	23	12	87.893	8.834	141.491	250.88	0.881

13	23	14	153.257	4.523	210.418	156.17	0.978
13	23	16	54.780	10.711	32.030	43.16	0.831
13	23	18	87.449	7.045	113.349	233.57	0.934
13	23	20	82.653	8.099	123.036	322.77	0.897
13	23	22	34.837	11.165	18.138	267.55	0.560
13	23	24	198.370	5.419	325.037	242.23	0.991
13	23	26	36.867	11.702	17.777	242.34	0.621
13	23	28	64.756	14.185	73.434	125.83	0.886
13	24	1	96.405	6.022	181.865	212.95	0.841
13	24	3	115.379	6.847	137.477	36.58	0.965
13	24	5	56.131	11.493	44.431	117.45	0.784
13	24	7	196.858	4.161	425.523	218.33	0.905
13	24	9	55.721	12.426	32.101	311.32	0.846
13	24	11	77.554	10.722	79.324	121.52	0.921
13	24	13	132.415	5.452	211.969	230.25	0.964
13	24	15	46.783	11.592	17.722	258.47	0.291
13	24	17	177.543	3.824	272.386	229.94	0.984
13	24	19	33.978	10.011	3.036	293.73	0.598
13	24	21	147.215	6.053	245.352	117.34	0.982
13	24	23	77.184	11.803	113.037	85.38	0.915
13	24	25	47.839	13.628	41.681	208.12	0.815
13	24	27	45.982	13.268	29.552	130.64	0.498
13	25	0	120.656	12.977	171.488	180.00	1.000
13	25	2	60.150	10.040	53.569	210.37	0.844
13	25	4	98.205	10.262	118.733	288.38	0.950
13	25	6	106.199	7.115	162.501	101.52	0.943
13	25	8	81.245	7.482	72.494	141.89	0.943
13	25	10	46.374	11.500	15.350	322.59	0.330
13	25	12	97.601	6.965	164.244	69.19	0.910
13	25	14	38.302	11.453	7.724	296.58	0.746
13	25	16	99.331	7.285	101.037	2.29	0.963
13	25	18	91.392	6.754	178.705	337.56	0.909
13	25	20	165.874	5.430	252.265	163.88	0.988
13	25	22	139.803	10.427	198.982	98.83	0.982
13	25	24	47.041	13.147	27.477	93.13	0.856
13	26	1	74.219	10.025	28.630	222.60	0.942
13	26	3	236.373	4.043	344.733	269.07	0.991
13	26	5	108.552	7.640	92.476	261.03	0.969
13	26	7	90.085	7.185	124.485	112.20	0.927
13	26	9	172.399	5.405	310.569	282.71	0.979
13	26	11	74.554	11.519	107.915	131.32	0.849
13	26	13	72.198	11.214	97.145	118.46	0.858
13	26	15	42.312	10.450	19.658	150.79	0.517
13	26	17	42.981	11.345	9.514	122.47	0.163
13	26	19	126.095	7.493	193.094	183.12	0.977
13	26	21	43.608	13.271	34.189	160.84	0.721
13	26	23	51.361	15.048	40.204	194.33	0.617
13	27	0	46.901	17.886	63.807	180.00	0.982
13	27	2	66.082	9.267	92.310	211.61	0.719
13	27	4	34.452	10.421	3.016	54.14	0.553
13	27	6	117.187	6.428	229.371	205.98	0.931
13	27	8	165.202	4.218	318.222	113.61	0.972
13	27	10	37.069	11.050	4.648	194.30	0.568
13	27	12	89.607	10.011	133.529	24.65	0.920
13	27	14	26.783	9.140	4.012	105.26	0.145
13	27	16	36.006	10.868	4.279	73.17	0.812
13	27	18	72.227	12.799	106.153	328.96	0.896
13	27	20	45.633	13.140	38.774	172.41	0.651
13	28	1	103.349	7.752	159.488	192.37	0.949
13	28	3	103.112	6.873	152.872	190.42	0.950
13	28	5	63.830	10.829	55.901	88.98	0.906
13	28	7	51.406	12.053	25.185	77.23	0.833
13	28	9	61.879	10.268	75.168	120.15	0.910
13	28	11	37.185	11.524	15.938	253.14	0.775
13	28	13	62.527	12.213	87.543	50.77	0.835
13	28	15	40.101	13.086	21.866	41.40	0.773
13	28	17	39.088	12.440	15.614	211.56	0.889
13	28	19	84.074	12.433	89.484	283.93	0.954
13	29	0	29.182	12.965	1.645	180.00	0.041
13	29	2	48.296	10.921	52.662	63.50	0.698
13	29	4	64.371	11.999	66.710	4.93	0.928
13	29	6	53.110	13.151	62.367	201.19	0.722
13	29	8	69.711	8.926	74.000	248.23	0.943
13	29	10	61.201	11.279	69.618	219.75	0.905
13	29	12	41.069	13.414	15.206	325.43	0.824
13	29	14	40.760	14.208	25.177	232.21	0.550
13	29	16	50.774	14.618	47.472	251.04	0.796

13	30	1	111.756	8.555	195.983	32.31	0.964
13	30	3	39.879	11.833	5.891	159.22	0.850
13	30	5	40.486	14.153	26.639	160.84	0.583
13	30	7	36.361	11.399	24.006	155.01	0.608
13	30	9	50.160	12.832	51.721	103.20	0.603
13	30	11	30.743	10.182	4.013	270.04	0.206
13	30	13	56.432	14.823	53.350	111.16	0.643
13	31	0	25.122	16.756	7.119	180.00	0.227
13	31	2	49.166	13.660	48.400	136.98	0.801
13	31	4	49.701	12.499	53.775	212.79	0.748
13	31	6	36.620	11.342	10.804	98.38	0.777
13	31	8	115.752	7.399	187.648	182.36	0.973
14	0	0	343.092	7.156	497.751	0.00	1.000
14	0	2	261.529	3.497	379.429	180.00	1.000
14	0	4	458.187	6.217	664.011	180.00	1.000
14	0	6	127.933	2.263	183.434	180.00	0.991
14	0	8	150.627	3.315	50.833	0.00	0.234
14	0	10	19.163	8.247	0.959	180.00	0.035
14	0	12	286.137	3.580	411.336	0.00	1.000
14	0	14	117.801	4.244	168.738	0.00	1.000
14	0	16	410.419	5.834	585.686	180.00	1.000
14	0	18	82.835	6.787	53.606	0.00	0.456
14	0	20	565.512	6.681	799.327	0.00	1.000
14	0	22	154.092	4.213	216.686	0.00	1.000
14	0	24	69.236	13.150	37.965	180.00	0.394
14	0	26	146.787	6.794	203.681	0.00	1.000
14	0	28	80.670	13.571	101.100	0.00	0.914
14	0	30	139.442	9.424	190.049	0.00	1.000
14	0	32	223.766	5.851	303.219	0.00	1.000
14	0	34	147.076	7.497	195.997	180.00	0.995
14	0	36	52.375	17.298	48.442	0.00	0.725
14	0	38	30.321	13.500	29.086	0.00	0.758
14	0	40	32.604	15.711	13.795	180.00	0.351
14	1	1	212.625	2.095	256.607	339.09	0.983
14	1	3	311.912	4.173	495.395	283.21	0.988
14	1	5	256.023	2.471	390.019	245.69	0.984
14	1	7	138.004	1.660	165.020	299.97	0.974
14	1	9	186.873	1.877	279.386	136.55	0.982
14	1	11	175.437	2.020	321.882	271.66	0.967
14	1	13	210.699	2.448	311.201	325.84	0.980
14	1	15	378.107	3.264	562.515	324.48	0.993
14	1	17	129.077	3.368	101.146	239.00	0.970
14	1	19	137.881	3.506	200.422	318.73	0.939
14	1	21	151.345	3.587	204.146	180.32	0.956
14	1	23	128.222	4.654	146.633	260.56	0.949
14	1	25	181.548	3.708	194.638	184.96	0.981
14	1	27	115.840	5.273	130.755	142.08	0.955
14	1	29	77.674	9.361	77.421	166.39	0.928
14	1	31	100.013	6.819	160.627	177.95	0.705
14	1	33	66.872	10.413	76.457	64.26	0.647
14	1	35	70.849	9.759	81.143	244.52	0.653
14	1	37	107.068	7.815	184.809	71.83	0.948
14	1	39	66.469	12.176	78.764	244.88	0.644
14	2	0	20.719	11.177	12.273	180.00	0.428
14	2	2	211.681	3.008	388.922	354.45	0.956
14	2	4	99.216	2.127	134.805	50.53	0.922
14	2	6	349.736	3.367	518.487	343.21	0.991
14	2	8	209.955	1.986	244.199	21.15	0.980
14	2	10	328.729	3.330	448.146	152.30	0.990
14	2	12	134.024	2.363	193.178	350.82	0.960
14	2	14	219.335	2.393	341.907	87.23	0.978
14	2	16	387.118	3.355	569.815	257.66	0.994
14	2	18	190.976	2.856	190.020	138.12	0.980
14	2	20	290.654	2.955	459.505	229.85	0.987
14	2	22	231.483	2.880	350.696	122.83	0.978
14	2	24	51.773	10.968	6.572	239.80	0.560
14	2	26	235.450	3.897	304.280	229.17	0.987
14	2	28	93.419	6.254	77.704	143.31	0.930
14	2	30	136.903	5.004	159.477	65.10	0.972
14	2	32	105.584	6.411	150.298	39.29	0.938
14	2	34	82.042	9.410	76.116	110.63	0.935
14	2	36	44.585	12.084	35.721	109.36	0.723
14	2	38	52.775	12.260	55.946	214.53	0.732
14	2	40	33.575	11.249	7.563	265.96	0.338
14	3	1	96.242	3.161	87.078	185.63	0.562
14	3	3	160.462	2.127	247.723	22.25	0.975
14	3	5	166.616	2.219	269.905	126.92	0.958

14	3	7	354.778	3.124	528.156	42.77	0.990
14	3	9	218.629	2.362	309.039	291.72	0.987
14	3	11	250.899	2.334	309.649	135.02	0.989
14	3	13	129.355	2.507	205.778	197.12	0.890
14	3	15	109.017	3.334	57.510	109.95	0.973
14	3	17	64.096	6.770	48.570	192.18	0.824
14	3	19	192.976	3.115	280.319	255.20	0.974
14	3	21	435.083	4.622	645.688	24.36	0.994
14	3	23	411.308	4.457	577.608	113.82	0.994
14	3	25	91.740	8.032	76.305	235.78	0.933
14	3	27	70.268	9.798	57.977	106.98	0.468
14	3	29	118.472	5.781	180.203	88.09	0.952
14	3	31	49.548	12.259	18.131	122.73	0.768
14	3	33	46.538	12.810	7.165	209.36	0.727
14	3	35	72.437	10.110	86.564	65.05	0.679
14	3	37	35.968	11.070	3.736	21.08	0.111
14	3	39	50.679	13.638	48.196	121.62	0.727
14	4	0	21.246	12.427	0.143	180.00	0.005
14	4	2	417.652	5.733	566.930	28.90	0.994
14	4	4	60.291	3.146	57.493	52.57	0.841
14	4	6	250.706	3.918	379.792	147.27	0.981
14	4	8	368.886	3.382	523.426	60.32	0.992
14	4	10	50.033	4.797	29.037	354.27	0.737
14	4	12	301.683	3.869	415.762	122.84	0.991
14	4	14	308.475	2.810	416.182	87.82	0.992
14	4	16	89.802	3.441	79.949	310.95	0.920
14	4	18	135.995	3.549	156.565	191.51	0.957
14	4	20	512.795	4.479	670.101	51.14	0.997
14	4	22	211.096	3.239	322.380	80.06	0.972
14	4	24	51.383	10.482	27.505	286.19	0.481
14	4	26	229.783	3.669	371.578	240.11	0.982
14	4	28	74.383	9.661	64.067	166.76	0.918
14	4	30	170.980	4.481	223.256	233.62	0.981
14	4	32	123.152	6.388	166.165	212.50	0.960
14	4	34	174.760	6.070	257.996	225.78	0.981
14	4	36	96.783	8.820	154.350	185.07	0.944
14	4	38	49.891	13.735	28.295	337.99	0.871
14	4	40	34.414	11.261	11.001	126.07	0.426
14	5	1	97.681	4.246	135.030	232.97	0.895
14	5	3	238.994	2.520	317.957	272.88	0.988
14	5	5	175.820	2.348	312.262	269.91	0.937
14	5	7	60.661	3.680	23.989	219.39	0.207
14	5	9	108.586	2.295	138.299	78.62	0.974
14	5	11	58.729	5.135	47.712	37.97	0.721
14	5	13	51.919	5.348	6.450	78.21	0.089
14	5	15	282.231	2.740	414.806	147.60	0.988
14	5	17	322.110	2.995	440.163	215.42	0.992
14	5	19	32.618	9.218	54.795	272.13	0.496
14	5	21	143.836	3.586	191.398	149.78	0.948
14	5	23	195.580	3.536	261.198	22.51	0.974
14	5	25	216.141	3.839	281.923	338.59	0.985
14	5	27	127.655	4.974	167.926	322.91	0.953
14	5	29	270.405	3.919	379.839	5.24	0.992
14	5	31	43.892	11.333	16.585	225.46	0.361
14	5	33	42.998	11.574	15.802	16.62	0.609
14	5	35	66.530	10.948	76.039	253.16	0.734
14	5	37	56.829	13.503	61.945	178.17	0.746
14	5	39	34.670	10.894	8.905	66.19	0.821
14	6	0	465.488	10.064	674.495	180.00	1.000
14	6	2	433.716	6.452	628.000	238.89	0.994
14	6	4	405.670	3.883	653.225	21.30	0.991
14	6	6	436.936	4.461	573.227	239.29	0.994
14	6	8	134.526	2.046	221.187	49.42	0.961
14	6	10	264.242	2.644	381.620	112.30	0.989
14	6	12	252.790	3.162	403.126	167.04	0.984
14	6	14	497.100	4.081	743.783	340.64	0.996
14	6	16	189.358	2.935	273.484	257.75	0.977
14	6	18	352.191	3.152	457.367	298.34	0.993
14	6	20	481.910	4.564	770.461	119.52	0.995
14	6	22	432.152	3.858	646.097	159.90	0.994
14	6	24	213.049	3.338	319.761	298.39	0.982
14	6	26	212.993	3.653	274.519	308.62	0.985
14	6	28	166.036	4.206	185.665	253.51	0.983
14	6	30	239.110	3.912	301.598	40.86	0.991
14	6	32	108.258	6.166	187.169	261.23	0.861
14	6	34	68.725	11.692	58.711	87.38	0.899
14	6	36	149.965	6.170	258.314	181.95	0.978

14	6	38	66.201	11.572	67.885	28.03	0.914
14	7	1	298.743	3.383	430.775	193.68	0.987
14	7	3	251.387	2.581	350.778	136.59	0.984
14	7	5	109.776	2.770	164.608	245.80	0.922
14	7	7	84.082	2.548	73.019	343.37	0.939
14	7	9	121.441	2.421	104.211	0.32	0.946
14	7	11	492.313	4.703	735.042	302.72	0.996
14	7	13	262.018	2.594	392.050	52.36	0.985
14	7	15	256.253	2.590	364.674	256.72	0.987
14	7	17	277.755	2.762	475.637	36.62	0.984
14	7	19	127.996	3.309	180.764	45.12	0.933
14	7	21	415.798	3.724	623.682	154.16	0.993
14	7	23	258.233	3.168	355.104	322.20	0.984
14	7	25	130.341	5.754	170.046	253.33	0.952
14	7	27	54.246	11.185	38.667	117.20	0.485
14	7	29	67.822	9.646	78.863	141.06	0.761
14	7	31	40.814	11.700	8.274	290.23	0.521
14	7	33	170.536	4.730	262.324	274.68	0.980
14	7	35	51.799	12.359	52.921	23.32	0.786
14	7	37	121.768	6.213	159.176	149.06	0.977
14	7	39	37.910	11.731	8.233	92.12	0.786
14	8	0	178.797	4.057	166.356	180.00	0.642
14	8	2	243.834	2.133	363.127	282.72	0.986
14	8	4	169.116	2.180	205.353	74.98	0.985
14	8	6	409.162	3.800	584.585	87.57	0.995
14	8	8	168.739	2.257	228.397	113.62	0.982
14	8	10	69.946	3.962	65.009	294.75	0.879
14	8	12	547.238	5.121	759.819	82.09	0.997
14	8	14	255.188	2.581	326.970	115.17	0.989
14	8	16	283.000	2.759	390.512	252.39	0.990
14	8	18	234.947	2.756	297.776	160.00	0.985
14	8	20	193.910	3.234	324.213	307.53	0.958
14	8	22	159.330	3.602	234.421	91.77	0.959
14	8	24	226.274	3.413	258.914	116.73	0.988
14	8	26	275.781	3.583	362.549	277.29	0.991
14	8	28	183.378	4.259	258.338	72.37	0.983
14	8	30	58.226	10.965	50.663	269.33	0.787
14	8	32	42.797	11.383	15.380	148.69	0.397
14	8	34	132.036	6.142	232.490	354.06	0.945
14	8	36	122.255	7.631	206.260	203.74	0.965
14	8	38	41.711	12.743	4.807	30.86	0.099
14	9	1	570.125	4.720	792.167	241.75	0.997
14	9	3	214.713	2.742	321.359	21.92	0.979
14	9	5	195.317	2.384	258.039	162.02	0.981
14	9	7	104.618	3.322	169.409	310.99	0.887
14	9	9	246.325	2.611	313.718	30.82	0.989
14	9	11	91.349	3.741	71.842	3.78	0.933
14	9	13	30.421	8.339	19.444	153.55	0.519
14	9	15	108.432	3.322	162.519	194.13	0.890
14	9	17	332.300	3.187	497.229	218.61	0.991
14	9	19	98.135	4.335	107.978	95.39	0.854
14	9	21	156.690	3.721	178.713	96.34	0.964
14	9	23	290.588	3.419	389.090	135.29	0.992
14	9	25	191.092	3.568	290.050	11.70	0.977
14	9	27	123.405	5.718	168.475	195.48	0.963
14	9	29	101.537	6.460	156.606	308.57	0.918
14	9	31	157.122	4.571	235.802	195.46	0.974
14	9	33	100.049	7.265	159.707	284.50	0.916
14	9	35	152.944	5.079	244.035	8.64	0.982
14	9	37	53.400	12.051	48.417	326.07	0.866
14	10	0	83.322	4.056	120.565	180.00	0.998
14	10	2	416.504	3.684	589.483	213.37	0.995
14	10	4	87.986	2.998	124.265	353.79	0.926
14	10	6	158.311	2.708	263.494	321.42	0.953
14	10	8	362.485	2.966	499.077	309.91	0.994
14	10	10	382.630	3.208	547.102	338.06	0.994
14	10	12	324.713	3.073	452.328	112.95	0.992
14	10	14	211.131	3.087	278.765	254.28	0.984
14	10	16	308.925	3.060	425.316	275.24	0.992
14	10	18	134.329	3.987	170.159	324.36	0.943
14	10	20	275.508	3.199	285.850	111.70	0.991
14	10	22	35.598	8.650	26.214	139.38	0.743
14	10	24	62.804	10.757	56.136	164.59	0.718
14	10	26	165.921	3.946	231.857	195.69	0.978
14	10	28	170.002	3.925	226.092	12.00	0.981
14	10	30	148.240	4.493	217.245	275.05	0.971
14	10	32	167.108	4.298	259.893	336.91	0.978

14	10	34	97.138	8.716	98.838	63.03	0.972
14	10	36	39.498	11.731	4.826	328.99	0.128
14	10	38	48.219	12.208	37.612	177.14	0.600
14	11	1	28.130	7.052	43.941	307.04	0.499
14	11	3	200.797	2.459	329.743	250.55	0.974
14	11	5	394.056	4.139	553.008	61.40	0.994
14	11	7	166.574	3.148	235.100	262.52	0.962
14	11	9	524.129	4.162	716.047	129.56	0.997
14	11	11	322.658	2.964	530.511	177.16	0.989
14	11	13	531.160	4.716	744.746	101.72	0.997
14	11	15	301.940	3.079	489.999	95.30	0.988
14	11	17	408.431	3.688	409.519	91.46	0.995
14	11	19	134.429	4.097	235.206	345.25	0.896
14	11	21	81.767	5.734	85.793	286.69	0.889
14	11	23	172.967	3.775	225.508	155.60	0.976
14	11	25	43.399	9.953	16.470	253.23	0.302
14	11	27	52.453	11.672	38.723	119.07	0.564
14	11	29	152.672	4.336	319.654	240.91	0.911
14	11	31	53.528	10.381	3.082	116.86	0.900
14	11	33	126.604	5.533	149.927	69.52	0.971
14	11	35	51.891	12.082	48.612	150.82	0.824
14	11	37	109.702	8.726	184.910	192.50	0.953
14	12	0	206.718	3.976	299.667	180.00	1.000
14	12	2	30.731	7.164	71.690	315.45	0.690
14	12	4	100.145	4.515	151.449	309.87	0.918
14	12	6	204.158	2.986	272.685	12.33	0.979
14	12	8	261.530	3.029	375.827	281.88	0.988
14	12	10	258.956	2.650	355.611	237.75	0.988
14	12	12	153.357	3.299	194.142	176.92	0.963
14	12	14	128.615	4.215	186.203	119.53	0.931
14	12	16	201.537	2.949	312.107	239.26	0.975
14	12	18	45.471	10.470	1.978	41.33	0.104
14	12	20	241.261	3.188	320.387	3.52	0.988
14	12	22	252.802	3.442	360.893	43.58	0.989
14	12	24	115.938	5.051	109.713	302.03	0.968
14	12	26	72.217	7.211	91.078	66.39	0.628
14	12	28	106.482	6.396	98.018	27.54	0.960
14	12	30	101.638	7.185	154.913	307.76	0.935
14	12	32	80.935	7.963	104.525	270.77	0.911
14	12	34	33.307	10.373	9.506	290.11	0.774
14	12	36	38.070	11.789	17.911	272.93	0.427
14	13	1	236.479	2.598	391.967	279.23	0.979
14	13	3	95.962	3.551	91.395	145.89	0.916
14	13	5	279.002	3.416	359.939	1.55	0.990
14	13	7	197.237	3.040	332.724	7.92	0.968
14	13	9	302.886	2.854	400.915	230.12	0.991
14	13	11	220.596	2.694	337.502	330.91	0.980
14	13	13	338.997	3.447	489.373	279.82	0.992
14	13	15	123.907	4.033	75.827	30.27	0.955
14	13	17	125.731	4.420	100.121	242.41	0.949
14	13	19	44.140	9.326	7.176	186.46	0.694
14	13	21	72.271	9.693	48.994	282.96	0.882
14	13	23	80.658	8.079	31.607	291.88	0.952
14	13	25	322.651	3.506	483.992	299.38	0.994
14	13	27	90.978	7.184	126.469	307.81	0.915
14	13	29	97.661	6.455	156.937	274.25	0.902
14	13	31	50.227	11.488	31.127	271.21	0.767
14	13	33	99.563	7.718	139.965	34.00	0.962
14	13	35	63.344	12.773	44.282	33.93	0.930
14	14	0	100.921	6.111	146.168	0.00	1.000
14	14	2	99.925	4.472	120.838	102.63	0.934
14	14	4	138.517	3.620	219.616	157.12	0.919
14	14	6	27.106	7.938	38.300	295.88	0.264
14	14	8	87.690	5.804	39.003	200.66	0.950
14	14	10	226.204	2.677	339.750	155.27	0.983
14	14	12	32.009	9.315	16.889	239.61	0.182
14	14	14	340.896	3.594	484.274	4.55	0.991
14	14	16	92.673	5.486	89.230	113.79	0.913
14	14	18	92.499	6.889	128.675	245.20	0.888
14	14	20	100.454	6.036	166.172	261.89	0.838
14	14	22	139.694	4.676	242.965	262.40	0.948
14	14	24	270.335	3.778	384.326	219.04	0.992
14	14	26	120.770	5.112	170.958	129.87	0.958
14	14	28	34.388	10.899	4.682	67.91	0.497
14	14	30	186.334	4.282	367.513	306.29	0.972
14	14	32	95.070	7.756	168.308	105.07	0.934
14	14	34	65.470	10.504	63.562	101.88	0.934

14	14	36	59.307	13.377	56.253	136.54	0.561
14	15	1	352.439	3.172	561.527	1.50	0.992
14	15	3	244.807	2.885	359.414	172.67	0.984
14	15	5	135.221	3.518	162.912	73.44	0.956
14	15	7	241.515	3.569	322.181	244.51	0.985
14	15	9	240.390	2.837	408.330	300.35	0.978
14	15	11	63.908	5.296	41.799	238.15	0.808
14	15	13	259.943	3.000	394.418	339.45	0.984
14	15	15	65.434	10.119	50.947	14.54	0.707
14	15	17	377.009	3.817	521.763	231.33	0.995
14	15	19	278.229	4.317	402.909	325.25	0.990
14	15	21	131.025	4.916	205.914	64.48	0.962
14	15	23	121.814	5.360	142.031	246.84	0.966
14	15	25	158.837	4.618	144.170	344.00	0.984
14	15	27	54.034	11.162	41.616	96.43	0.645
14	15	29	66.612	11.921	67.595	356.75	0.876
14	15	31	43.738	11.367	28.780	41.00	0.818
14	15	33	105.246	8.845	156.324	221.29	0.634
14	15	35	74.134	12.577	106.356	188.34	0.856
14	16	0	184.982	3.767	267.122	180.00	0.997
14	16	2	318.334	3.100	479.047	203.33	0.990
14	16	4	319.198	3.434	456.867	156.14	0.991
14	16	6	609.877	6.690	877.756	325.72	0.997
14	16	8	117.035	5.522	205.568	303.00	0.819
14	16	10	204.776	2.849	268.000	226.04	0.980
14	16	12	165.645	3.536	164.871	13.66	0.971
14	16	14	277.153	3.288	417.147	115.31	0.990
14	16	16	177.661	3.930	218.327	24.29	0.981
14	16	18	151.386	4.595	228.271	33.28	0.964
14	16	20	105.691	8.143	131.540	184.96	0.954
14	16	22	133.240	4.675	201.688	213.26	0.965
14	16	24	184.136	4.145	266.850	332.63	0.983
14	16	26	211.428	4.234	262.884	89.23	0.989
14	16	28	52.326	11.704	38.421	111.93	0.802
14	16	30	58.710	11.490	67.955	264.59	0.875
14	16	32	114.366	6.967	188.465	251.97	0.965
14	16	34	55.500	12.872	44.041	276.37	0.893
14	17	1	54.083	7.572	5.377	322.54	0.705
14	17	3	487.323	4.462	662.397	173.87	0.996
14	17	5	168.378	4.095	233.483	342.02	0.965
14	17	7	262.585	3.989	429.317	83.09	0.982
14	17	9	258.678	3.714	323.465	66.29	0.987
14	17	11	347.550	3.298	500.860	142.11	0.992
14	17	13	83.250	6.025	82.413	138.99	0.540
14	17	15	177.844	3.867	225.140	71.90	0.980
14	17	17	127.919	5.641	161.479	354.23	0.956
14	17	19	145.428	4.428	217.326	234.35	0.972
14	17	21	105.320	9.844	184.869	301.76	0.768
14	17	23	216.740	4.738	327.960	182.21	0.987
14	17	25	178.223	4.960	312.030	142.33	0.974
14	17	27	144.553	4.991	210.832	185.65	0.975
14	17	29	125.391	6.476	199.182	142.57	0.975
14	17	31	99.545	8.105	134.445	320.21	0.963
14	17	33	73.736	11.403	107.585	225.11	0.893
14	18	0	117.736	6.246	170.246	0.00	1.000
14	18	2	143.575	3.280	171.477	319.11	0.959
14	18	4	201.815	3.416	240.571	80.11	0.981
14	18	6	450.060	5.341	714.218	86.84	0.995
14	18	8	79.975	7.673	81.698	52.07	0.840
14	18	10	93.289	7.876	85.072	20.08	0.938
14	18	12	111.776	4.847	192.157	274.14	0.904
14	18	14	242.559	3.326	363.624	257.24	0.987
14	18	16	94.779	6.282	141.208	168.71	0.927
14	18	18	123.779	6.028	153.250	358.45	0.967
14	18	20	174.919	4.113	253.102	153.95	0.982
14	18	22	53.856	9.866	37.525	254.35	0.804
14	18	24	93.744	6.239	92.941	250.62	0.948
14	18	26	156.615	5.311	254.071	275.11	0.976
14	18	28	78.850	9.271	58.291	39.49	0.374
14	18	30	61.780	10.940	82.725	43.80	0.822
14	18	32	87.658	11.814	143.457	29.13	0.886
14	19	1	163.803	3.423	264.745	331.24	0.949
14	19	3	205.351	3.681	244.199	237.41	0.982
14	19	5	209.788	3.601	325.725	355.67	0.983
14	19	7	110.280	5.526	139.350	21.90	0.945
14	19	9	183.732	4.497	243.717	288.89	0.981
14	19	11	262.582	3.568	379.693	308.15	0.990

14	19	13	144.714	4.181	178.004	176.73	0.514
14	19	15	142.799	4.991	283.910	285.63	0.946
14	19	17	178.398	4.363	255.825	89.86	0.983
14	19	19	42.473	12.309	16.738	100.11	0.594
14	19	21	224.172	3.938	308.756	174.48	0.990
14	19	23	37.564	10.979	8.731	98.23	0.519
14	19	25	42.167	12.073	17.446	189.07	0.625
14	19	27	44.893	11.197	39.153	290.68	0.582
14	19	29	38.600	11.775	15.091	252.47	0.765
14	19	31	73.067	11.730	107.839	61.10	0.887
14	20	0	79.684	11.719	13.363	0.00	0.116
14	20	2	128.563	4.951	248.282	170.48	0.905
14	20	4	164.724	5.094	302.083	157.56	0.957
14	20	6	91.577	7.455	111.625	170.55	0.911
14	20	8	191.263	5.167	290.088	349.59	0.978
14	20	10	96.382	7.262	134.218	224.69	0.908
14	20	12	108.348	6.301	113.924	96.71	0.967
14	20	14	42.930	10.491	10.497	22.70	0.758
14	20	16	86.799	7.622	139.501	151.82	0.890
14	20	18	72.009	9.518	94.233	105.42	0.864
14	20	20	41.690	10.421	16.885	4.45	0.330
14	20	22	41.986	10.461	21.675	217.74	0.681
14	20	24	61.910	10.621	36.510	343.88	0.332
14	20	26	149.467	8.155	271.396	129.58	0.978
14	20	28	34.016	10.798	10.584	344.87	0.364
14	20	30	74.297	11.702	100.078	134.36	0.911
14	21	1	96.973	6.654	160.232	268.21	0.865
14	21	3	143.079	6.209	263.570	55.91	0.942
14	21	5	115.171	5.796	187.626	189.06	0.894
14	21	7	60.560	11.815	55.865	304.82	0.553
14	21	9	156.723	4.821	215.949	313.52	0.981
14	21	11	134.353	5.429	205.008	52.63	0.967
14	21	13	94.470	7.855	135.753	112.85	0.933
14	21	15	109.046	6.202	161.262	128.54	0.952
14	21	17	125.255	5.851	206.012	90.34	0.954
14	21	19	101.196	7.920	98.734	310.19	0.958
14	21	21	40.469	11.792	20.162	321.37	0.528
14	21	23	87.854	8.340	119.683	145.53	0.921
14	21	25	57.533	12.119	40.377	11.14	0.920
14	21	27	60.744	12.091	82.227	40.34	0.847
14	21	29	94.634	11.309	129.505	133.39	0.956
14	22	0	40.852	15.969	57.675	0.00	0.989
14	22	2	37.366	10.787	2.213	201.05	0.633
14	22	4	38.093	10.804	3.041	59.91	0.686
14	22	6	50.998	10.753	43.970	279.36	0.621
14	22	8	47.668	10.671	25.086	353.07	0.779
14	22	10	45.127	10.412	20.791	276.95	0.356
14	22	12	55.680	11.902	47.530	320.25	0.780
14	22	14	92.350	6.515	104.374	48.01	0.944
14	22	16	89.359	6.885	135.263	142.57	0.762
14	22	18	58.250	11.500	33.299	155.02	0.892
14	22	20	150.040	4.843	224.350	279.21	0.978
14	22	22	41.786	11.693	31.033	118.07	0.780
14	22	24	40.763	10.797	24.547	35.49	0.800
14	22	26	38.222	11.972	22.969	3.64	0.681
14	22	28	49.097	14.070	43.906	249.32	0.687
14	23	1	111.878	5.441	139.192	139.22	0.962
14	23	3	166.767	4.618	314.436	128.37	0.970
14	23	5	132.132	4.853	176.182	160.20	0.971
14	23	7	137.061	4.399	208.100	216.01	0.970
14	23	9	33.676	10.531	6.867	147.65	0.359
14	23	11	109.413	5.705	182.587	92.09	0.937
14	23	13	116.642	6.455	185.035	191.29	0.952
14	23	15	88.600	7.629	110.432	258.28	0.934
14	23	17	32.703	10.325	13.945	145.14	0.655
14	23	19	52.715	11.823	46.675	353.41	0.727
14	23	21	36.916	10.569	18.765	42.25	0.494
14	23	23	79.196	10.193	119.859	115.71	0.929
14	23	25	39.327	12.377	24.994	302.24	0.613
14	23	27	33.526	11.465	12.937	300.10	0.386
14	24	0	46.101	15.318	61.113	180.00	0.932
14	24	2	65.019	10.346	29.958	267.82	0.914
14	24	4	84.107	6.765	98.498	25.92	0.931
14	24	6	167.736	4.213	216.479	28.59	0.984
14	24	8	39.263	10.911	4.686	225.18	0.639
14	24	10	82.864	8.762	88.712	280.14	0.930
14	24	12	100.298	8.058	162.158	353.90	0.923

14	24	14	78.275	9.707	73.050	142.49	0.398
14	24	16	102.364	5.823	166.117	155.99	0.942
14	24	18	127.290	5.992	192.082	78.60	0.968
14	24	20	54.415	13.215	64.885	269.70	0.703
14	24	22	41.897	11.551	24.558	338.10	0.791
14	24	24	33.512	11.282	7.803	38.09	0.397
14	25	1	45.562	11.055	26.123	124.80	0.576
14	25	3	122.912	5.299	215.054	292.34	0.950
14	25	5	190.723	4.356	270.732	358.51	0.986
14	25	7	195.987	4.109	294.150	337.90	0.986
14	25	9	113.546	6.357	151.975	118.28	0.967
14	25	11	106.515	9.842	163.819	95.23	0.948
14	25	13	68.685	12.283	42.569	134.20	0.925
14	25	15	83.247	7.755	105.282	309.96	0.933
14	25	17	68.434	9.632	51.269	64.02	0.953
14	25	19	52.827	12.286	37.844	287.37	0.898
14	25	21	44.134	12.136	28.175	261.73	0.857
14	25	23	34.938	11.662	6.701	355.02	0.728
14	26	0	53.701	15.059	72.672	180.00	0.961
14	26	2	126.582	5.302	213.477	286.65	0.965
14	26	4	65.512	9.916	47.609	351.02	0.344
14	26	6	72.513	8.094	113.279	334.29	0.815
14	26	8	77.237	7.528	105.767	207.11	0.911
14	26	10	88.445	9.536	156.414	83.39	0.839
14	26	12	52.746	11.559	42.487	59.84	0.831
14	26	14	74.796	11.559	126.406	188.32	0.878
14	26	16	35.882	10.512	16.530	158.89	0.379
14	26	18	63.991	12.140	68.722	246.20	0.916
14	26	20	52.723	14.617	55.502	220.10	0.730
14	26	22	37.229	12.167	4.425	2.39	0.092
14	27	1	62.810	9.944	46.050	202.75	0.910
14	27	3	103.340	9.153	147.788	88.50	0.950
14	27	5	36.154	9.945	11.245	223.80	0.323
14	27	7	85.097	7.441	138.851	67.31	0.900
14	27	9	65.702	22.924	51.081	158.93	0.904
14	27	11	57.460	11.054	79.194	185.96	0.726
14	27	13	81.614	10.162	96.269	320.60	0.957
14	27	15	27.287	9.472	15.946	130.77	0.738
14	27	17	32.932	10.950	9.140	179.47	0.321
14	27	19	59.194	13.423	70.303	211.59	0.844
14	28	0	67.055	15.550	89.081	0.00	0.964
14	28	2	57.211	10.755	82.341	215.07	0.836
14	28	4	38.564	10.142	26.615	23.28	0.561
14	28	6	39.705	11.195	1.648	169.67	0.869
14	28	8	137.869	4.991	208.212	217.97	0.984
14	28	10	48.718	11.522	45.866	125.93	0.516
14	28	12	32.111	10.420	8.389	235.88	0.591
14	28	14	38.912	12.962	6.441	156.94	0.142
14	28	16	38.615	13.253	21.582	323.54	0.525
14	29	1	37.880	10.735	12.300	343.64	0.816
14	29	3	75.775	11.933	103.476	152.30	0.935
14	29	5	52.853	12.202	62.211	267.39	0.757
14	29	7	48.964	11.506	51.071	259.36	0.823
14	29	9	44.716	10.405	35.149	220.62	0.849
14	29	11	42.204	12.143	31.950	49.37	0.655
14	29	13	42.371	13.128	3.538	180.77	0.059
14	30	0	40.093	20.989	26.747	0.00	0.535
14	30	2	64.141	13.442	90.729	188.97	0.773
14	30	4	41.606	12.584	23.781	114.64	0.826
14	30	6	32.856	10.415	5.841	234.60	0.803
14	30	8	45.598	12.148	24.642	172.00	0.868
14	30	10	32.079	10.557	9.691	343.09	0.396
14	31	1	68.318	10.685	82.771	334.02	0.929
14	31	3	39.158	12.955	11.765	69.93	0.344
15	0	1	645.770	8.847	941.481	180.00	1.000
15	0	3	127.429	3.126	185.657	0.00	0.999
15	0	5	57.583	8.154	72.896	0.00	0.884
15	0	7	112.083	2.547	162.084	0.00	0.998
15	0	9	61.488	7.352	88.076	0.00	0.987
15	0	11	86.035	4.324	123.811	180.00	0.999
15	0	13	313.777	3.918	452.762	180.00	1.000
15	0	15	283.076	3.808	407.178	180.00	1.000
15	0	17	21.355	9.982	15.460	180.00	0.541
15	0	19	166.292	5.156	236.742	180.00	1.000
15	0	21	111.630	6.321	158.220	180.00	1.000
15	0	23	93.583	9.254	129.336	180.00	0.983
15	0	25	268.354	5.055	375.821	0.00	1.000

15	0	27	164.524	6.889	228.643	0.00	1.000
15	0	29	107.148	8.418	145.677	0.00	0.988
15	0	31	133.945	9.329	181.393	0.00	0.994
15	0	33	48.523	16.293	7.723	0.00	0.120
15	0	35	168.036	6.914	224.804	0.00	1.000
15	0	37	47.199	16.975	31.634	0.00	0.539
15	0	39	37.392	16.762	21.792	0.00	0.485
15	1	2	151.457	1.928	287.179	78.10	0.905
15	1	4	44.122	4.501	11.514	204.41	0.271
15	1	6	147.188	1.760	211.216	223.73	0.949
15	1	8	211.780	1.901	325.759	46.59	0.979
15	1	10	35.504	6.422	11.669	257.10	0.273
15	1	12	132.530	2.493	143.208	156.18	0.957
15	1	14	375.541	3.258	495.987	154.37	0.994
15	1	16	175.047	2.650	254.493	187.91	0.966
15	1	18	297.021	2.957	406.060	24.07	0.990
15	1	20	229.333	2.781	264.990	139.52	0.984
15	1	22	34.048	9.768	15.019	63.05	0.225
15	1	24	243.821	3.698	315.256	119.41	0.989
15	1	26	45.373	10.403	8.704	341.72	0.158
15	1	28	154.737	4.792	226.432	355.52	0.975
15	1	30	71.596	9.619	57.497	64.96	0.401
15	1	32	101.461	7.486	115.906	99.78	0.947
15	1	34	29.145	9.498	28.281	139.11	0.583
15	1	36	28.531	9.559	36.130	239.09	0.804
15	1	38	125.383	6.509	208.966	213.61	0.971
15	2	1	170.045	2.372	222.172	329.04	0.973
15	2	3	108.232	1.980	138.521	10.52	0.866
15	2	5	184.225	2.338	268.772	307.93	0.972
15	2	7	325.149	3.433	408.445	171.86	0.994
15	2	9	165.116	1.890	262.404	352.25	0.961
15	2	11	307.997	2.850	455.302	22.50	0.992
15	2	13	75.831	3.773	106.891	26.02	0.895
15	2	15	284.218	2.729	379.681	15.87	0.990
15	2	17	146.158	3.068	231.609	271.19	0.895
15	2	19	180.535	3.114	180.578	319.92	0.983
15	2	21	122.796	4.173	200.479	205.38	0.877
15	2	23	325.030	3.318	489.057	299.52	0.989
15	2	25	335.382	3.564	390.407	244.82	0.994
15	2	27	37.869	10.886	6.926	91.66	0.636
15	2	29	98.631	7.166	66.445	68.60	0.959
15	2	31	113.200	6.401	167.875	134.20	0.946
15	2	33	43.353	12.424	25.959	239.11	0.854
15	2	35	40.043	12.060	27.067	40.32	0.608
15	2	37	77.488	10.189	111.052	80.32	0.897
15	2	39	33.705	10.977	5.487	242.06	0.618
15	3	0	303.324	4.787	442.583	0.00	1.000
15	3	2	83.851	3.430	73.933	181.59	0.548
15	3	4	195.453	3.077	227.379	39.31	0.979
15	3	6	74.938	3.513	83.875	84.10	0.899
15	3	8	177.671	2.049	238.727	327.93	0.978
15	3	10	397.925	3.677	626.645	2.47	0.994
15	3	12	209.056	2.234	339.617	314.50	0.971
15	3	14	171.548	2.474	233.497	238.51	0.971
15	3	16	206.644	2.545	332.898	141.02	0.975
15	3	18	140.296	3.199	131.838	340.08	0.965
15	3	20	124.612	3.266	182.596	247.26	0.919
15	3	22	341.039	3.592	457.297	187.17	0.991
15	3	24	180.662	3.801	287.877	243.06	0.968
15	3	26	127.782	5.786	161.736	217.05	0.954
15	3	28	188.266	4.084	264.686	158.37	0.984
15	3	30	66.107	9.072	50.171	252.20	0.422
15	3	32	46.436	12.461	9.517	303.47	0.235
15	3	34	75.190	9.879	57.962	134.06	0.926
15	3	36	64.143	11.402	87.608	342.18	0.851
15	3	38	32.857	10.504	6.757	356.37	0.258
15	4	1	206.707	3.446	303.580	149.75	0.978
15	4	3	238.580	3.396	308.619	278.38	0.981
15	4	5	228.499	2.598	351.535	259.89	0.983
15	4	7	333.760	3.726	449.301	319.66	0.993
15	4	9	118.999	2.242	171.956	315.23	0.927
15	4	11	78.153	3.227	78.775	216.02	0.907
15	4	13	431.236	3.938	631.253	100.54	0.995
15	4	15	32.287	7.251	15.496	319.22	0.341
15	4	17	390.505	3.670	575.449	256.01	0.994
15	4	19	33.337	9.643	37.354	68.97	0.370
15	4	21	228.370	3.416	236.683	235.79	0.984

15	4	23	86.988	6.354	74.938	282.82	0.927
15	4	25	97.676	7.042	131.315	213.38	0.926
15	4	27	205.483	3.587	313.415	278.73	0.985
15	4	29	86.213	8.423	132.131	178.09	0.864
15	4	31	84.501	8.005	104.346	153.05	0.642
15	4	33	133.512	6.212	160.442	230.67	0.974
15	4	35	95.265	8.327	160.482	51.52	0.936
15	4	37	70.123	12.423	70.397	241.88	0.935
15	4	39	68.350	12.699	84.278	179.24	0.877
15	5	0	296.230	4.980	432.095	180.00	1.000
15	5	2	340.812	3.888	499.743	359.74	0.992
15	5	4	201.317	2.386	309.383	260.09	0.975
15	5	6	156.384	2.286	207.789	161.43	0.975
15	5	8	169.073	1.998	247.486	8.27	0.972
15	5	10	232.866	2.695	305.079	189.93	0.985
15	5	12	349.436	3.285	502.283	198.73	0.993
15	5	14	261.530	2.757	446.450	105.96	0.982
15	5	16	301.152	2.933	448.889	289.12	0.989
15	5	18	204.602	2.865	330.292	319.23	0.974
15	5	20	148.612	3.319	198.977	50.89	0.957
15	5	22	396.187	3.797	614.034	249.47	0.993
15	5	24	380.863	3.711	611.612	310.65	0.994
15	5	26	43.063	11.238	16.270	296.65	0.576
15	5	28	119.540	5.364	161.416	5.89	0.960
15	5	30	155.268	4.358	155.127	107.18	0.983
15	5	32	88.479	8.713	126.139	85.74	0.917
15	5	34	93.859	7.914	135.980	80.32	0.921
15	5	36	68.229	12.378	70.953	37.14	0.915
15	5	38	43.143	11.725	26.003	301.21	0.793
15	6	1	277.387	3.407	379.190	320.82	0.990
15	6	3	238.752	2.672	329.703	93.42	0.985
15	6	5	305.856	3.948	432.714	201.16	0.991
15	6	7	157.948	2.918	219.825	110.73	0.969
15	6	9	319.569	3.403	477.534	221.06	0.991
15	6	11	56.603	5.244	10.049	113.43	0.909
15	6	13	210.670	2.583	315.161	115.43	0.978
15	6	15	184.893	2.743	239.827	349.78	0.975
15	6	17	334.157	3.182	489.367	76.70	0.991
15	6	19	219.863	2.978	323.047	175.59	0.980
15	6	21	140.378	4.340	228.655	155.05	0.923
15	6	23	326.804	3.432	463.071	156.39	0.993
15	6	25	203.509	3.753	276.277	86.74	0.983
15	6	27	172.540	4.532	255.179	205.24	0.980
15	6	29	116.280	6.202	176.598	29.81	0.631
15	6	31	152.631	5.280	199.870	221.91	0.977
15	6	33	142.843	5.331	295.870	17.66	0.893
15	6	35	33.294	10.904	10.120	13.00	0.327
15	6	37	38.554	11.156	23.432	47.15	0.687
15	7	0	327.351	7.542	477.161	0.00	1.000
15	7	2	105.955	4.457	158.630	133.96	0.902
15	7	4	154.647	2.316	212.979	258.80	0.958
15	7	6	174.834	2.618	249.040	195.55	0.982
15	7	8	165.038	2.169	229.344	217.07	0.975
15	7	10	673.883	6.499	921.810	334.96	0.998
15	7	12	425.815	3.928	624.036	44.26	0.995
15	7	14	293.776	2.746	445.813	62.86	0.989
15	7	16	152.803	2.936	176.075	37.27	0.968
15	7	18	256.189	3.033	433.462	43.59	0.977
15	7	20	190.953	3.380	202.674	202.73	0.978
15	7	22	189.678	3.506	257.079	0.21	0.980
15	7	24	230.109	3.179	373.466	102.49	0.981
15	7	26	215.036	3.798	303.423	295.74	0.988
15	7	28	153.870	5.296	202.751	290.65	0.977
15	7	30	30.260	9.759	6.850	104.39	0.296
15	7	32	238.839	4.352	337.316	301.85	0.991
15	7	34	90.303	8.144	149.239	295.84	0.936
15	7	36	46.566	11.236	43.696	304.19	0.679
15	7	38	30.887	10.334	6.945	355.51	0.671
15	8	1	53.876	6.809	28.830	247.23	0.772
15	8	3	132.513	2.460	177.601	38.76	0.943
15	8	5	440.258	4.420	643.003	120.34	0.995
15	8	7	155.841	2.557	246.945	12.15	0.966
15	8	9	563.371	4.479	762.612	333.05	0.997
15	8	11	172.774	2.778	331.994	153.70	0.855
15	8	13	206.643	2.688	311.600	315.63	0.978
15	8	15	84.321	4.460	85.388	268.73	0.859
15	8	17	376.729	3.334	549.290	125.40	0.993

15	8	19	111.713	4.429	174.270	23.64	0.754
15	8	21	226.910	3.176	302.422	12.18	0.987
15	8	23	139.102	3.991	220.133	350.11	0.953
15	8	25	82.794	7.806	70.247	281.91	0.932
15	8	27	197.958	3.616	337.694	79.25	0.981
15	8	29	194.558	4.243	411.207	316.82	0.961
15	8	31	46.893	11.413	36.485	276.32	0.622
15	8	33	105.629	6.836	166.577	286.77	0.936
15	8	35	33.616	9.957	7.070	227.68	0.161
15	8	37	64.579	11.665	66.292	136.31	0.915
15	9	0	234.474	4.312	341.696	0.00	1.000
15	9	2	243.494	2.379	246.434	244.04	0.991
15	9	4	501.991	4.369	696.103	164.61	0.997
15	9	6	387.248	3.705	620.730	216.96	0.993
15	9	8	261.097	2.422	419.284	7.48	0.987
15	9	10	175.160	2.479	280.458	19.12	0.967
15	9	12	408.653	3.773	607.709	111.37	0.994
15	9	14	51.146	8.235	37.299	121.46	0.633
15	9	16	124.177	3.830	161.253	317.30	0.700
15	9	18	176.238	3.375	231.193	96.55	0.975
15	9	20	189.457	3.003	237.661	100.35	0.976
15	9	22	168.967	3.849	217.668	195.51	0.977
15	9	24	212.975	3.207	284.696	74.71	0.983
15	9	26	87.752	7.005	108.723	164.60	0.932
15	9	28	120.164	4.524	166.728	154.33	0.959
15	9	30	69.988	8.567	69.818	18.21	0.889
15	9	32	59.621	11.266	57.672	36.51	0.840
15	9	34	114.412	6.626	212.739	190.07	0.953
15	9	36	100.758	8.074	163.209	227.76	0.953
15	10	1	546.207	4.927	757.940	353.08	0.997
15	10	3	72.654	3.247	43.163	180.95	0.379
15	10	5	171.770	2.545	199.909	153.41	0.974
15	10	7	435.548	3.945	623.068	111.08	0.995
15	10	9	51.720	6.499	2.049	142.21	0.731
15	10	11	180.963	2.448	248.691	4.01	0.974
15	10	13	226.597	2.973	391.472	19.44	0.977
15	10	15	242.046	2.988	363.894	351.05	0.981
15	10	17	193.185	3.157	283.829	44.85	0.971
15	10	19	190.341	3.426	280.182	164.62	0.970
15	10	21	185.906	3.631	264.185	168.90	0.978
15	10	23	101.150	5.286	89.367	95.79	0.945
15	10	25	143.753	4.346	174.713	231.37	0.976
15	10	27	54.457	10.376	47.210	17.12	0.752
15	10	29	124.103	6.649	228.974	289.95	0.925
15	10	31	164.511	4.865	308.654	1.15	0.968
15	10	33	121.191	7.343	158.520	65.82	0.978
15	10	35	38.617	11.662	17.018	256.00	0.403
15	10	37	43.673	12.785	10.522	301.70	0.850
15	11	0	325.701	4.286	474.690	0.00	1.000
15	11	2	172.119	2.306	234.448	187.10	0.978
15	11	4	451.496	4.371	655.575	126.00	0.996
15	11	6	395.166	3.854	543.009	163.78	0.995
15	11	8	132.861	2.790	216.264	230.40	0.848
15	11	10	35.093	8.298	49.389	22.40	0.566
15	11	12	292.554	3.236	403.860	338.62	0.991
15	11	14	339.362	3.404	464.297	37.52	0.992
15	11	16	170.273	3.284	263.082	322.32	0.960
15	11	18	165.292	3.237	198.116	155.42	0.976
15	11	20	148.404	4.344	261.349	56.70	0.933
15	11	22	126.181	4.630	163.701	11.85	0.955
15	11	24	121.063	4.482	172.037	2.59	0.964
15	11	26	114.198	5.807	158.502	318.11	0.957
15	11	28	65.316	9.340	2.227	325.55	0.026
15	11	30	185.855	4.522	303.256	266.75	0.981
15	11	32	57.013	11.863	49.062	147.66	0.908
15	11	34	108.218	6.845	156.409	319.82	0.968
15	11	36	50.676	11.799	55.155	324.52	0.717
15	12	1	219.627	2.847	341.549	18.18	0.979
15	12	3	183.465	2.400	201.933	173.12	0.978
15	12	5	91.524	4.681	66.270	349.46	0.321
15	12	7	282.800	3.169	342.381	124.05	0.990
15	12	9	102.642	3.722	127.468	270.04	0.910
15	12	11	255.056	2.723	305.589	141.45	0.988
15	12	13	269.220	3.130	407.272	188.11	0.985
15	12	15	343.120	3.808	453.226	155.94	0.992
15	12	17	292.631	3.425	406.174	70.81	0.988
15	12	19	116.625	4.871	103.979	355.30	0.959

15	12	21	52.043	10.118	6.410	225.62	0.793
15	12	23	62.383	9.742	50.245	295.42	0.868
15	12	25	52.159	10.067	40.316	351.67	0.687
15	12	27	124.660	5.105	174.553	348.35	0.962
15	12	29	139.395	5.286	212.230	25.76	0.971
15	12	31	77.737	8.020	112.739	339.62	0.866
15	12	33	54.316	10.581	61.121	97.11	0.832
15	12	35	41.053	11.805	23.228	230.21	0.449
15	13	0	183.791	3.990	267.531	0.00	1.000
15	13	2	529.113	4.358	790.366	332.13	0.997
15	13	4	296.254	3.002	410.401	81.41	0.990
15	13	6	43.617	8.502	10.320	302.68	0.531
15	13	8	47.543	8.466	3.318	293.51	0.125
15	13	10	379.185	3.360	611.436	255.00	0.992
15	13	12	151.553	3.103	253.565	226.04	0.956
15	13	14	59.483	10.326	13.161	120.86	0.247
15	13	16	150.376	3.876	215.273	193.76	0.950
15	13	18	142.469	6.960	208.266	296.86	0.963
15	13	20	111.227	5.490	138.676	213.13	0.938
15	13	22	84.280	7.485	116.586	176.63	0.908
15	13	24	151.103	4.329	201.361	233.47	0.980
15	13	26	268.770	3.533	407.048	188.14	0.992
15	13	28	57.964	11.957	51.081	162.32	0.829
15	13	30	62.291	11.976	69.661	323.20	0.817
15	13	32	44.324	11.112	28.516	122.72	0.484
15	13	34	110.339	8.167	207.914	217.59	0.941
15	14	1	195.743	2.600	268.920	98.42	0.978
15	14	3	200.614	2.692	275.868	164.34	0.979
15	14	5	166.474	3.069	300.190	331.05	0.952
15	14	7	366.834	3.763	471.302	277.11	0.993
15	14	9	145.845	3.447	216.516	296.00	0.947
15	14	11	161.957	3.348	307.025	301.23	0.921
15	14	13	165.658	3.309	252.556	299.87	0.959
15	14	15	291.307	3.711	406.745	244.37	0.992
15	14	17	180.567	3.404	332.754	151.30	0.966
15	14	19	185.296	5.352	273.693	283.10	0.977
15	14	21	83.704	7.656	137.925	190.34	0.807
15	14	23	153.930	4.320	165.305	222.18	0.981
15	14	25	145.208	4.758	204.032	243.91	0.974
15	14	27	68.907	10.082	95.959	224.90	0.762
15	14	29	84.083	10.330	79.339	250.78	0.939
15	14	31	64.410	11.199	64.032	154.86	0.921
15	14	33	41.518	11.623	30.006	111.60	0.584
15	15	0	114.866	7.157	120.022	0.00	0.719
15	15	2	417.041	4.071	595.299	357.65	0.995
15	15	4	185.002	2.701	326.156	184.28	0.964
15	15	6	181.919	3.127	252.823	261.28	0.973
15	15	8	249.915	3.310	355.557	174.67	0.985
15	15	10	78.852	5.283	101.405	297.41	0.803
15	15	12	67.910	7.670	82.889	72.95	0.815
15	15	14	162.805	3.290	188.709	186.90	0.979
15	15	16	130.864	5.492	135.190	207.84	0.967
15	15	18	167.867	3.875	252.031	121.20	0.971
15	15	20	65.693	9.792	80.031	172.25	0.834
15	15	22	65.584	9.344	49.945	265.58	0.884
15	15	24	83.765	8.137	117.834	302.86	0.904
15	15	26	88.484	7.786	117.536	41.36	0.929
15	15	28	156.569	4.942	212.666	341.43	0.981
15	15	30	66.032	11.470	62.425	144.43	0.936
15	15	32	98.745	7.837	172.892	224.18	0.944
15	15	34	57.382	12.155	42.777	173.99	0.901
15	16	1	137.004	3.665	225.265	112.74	0.838
15	16	3	315.457	3.107	474.776	215.23	0.990
15	16	5	208.481	3.496	336.843	244.89	0.973
15	16	7	156.724	4.561	218.291	128.39	0.958
15	16	9	238.781	3.662	323.813	195.68	0.984
15	16	11	127.102	4.104	197.991	354.25	0.949
15	16	13	164.624	3.411	248.399	342.73	0.972
15	16	15	309.225	3.339	456.291	261.41	0.992
15	16	17	53.856	9.923	43.818	311.54	0.741
15	16	19	198.296	4.392	259.614	57.57	0.988
15	16	21	305.761	4.143	447.271	1.29	0.994
15	16	23	176.806	3.988	229.234	52.03	0.984
15	16	25	102.016	6.453	126.463	167.25	0.956
15	16	27	78.155	8.478	77.198	240.49	0.447
15	16	29	39.723	11.264	24.051	88.18	0.711
15	16	31	84.747	10.363	112.094	253.30	0.949

15	16	33	40.254	11.157	25.803	10.10	0.634
15	17	0	160.771	6.279	233.784	180.00	1.000
15	17	2	164.453	3.749	261.686	95.27	0.955
15	17	4	470.809	4.467	703.024	17.96	0.996
15	17	6	167.401	4.692	310.433	198.78	0.908
15	17	8	196.954	4.295	244.578	278.35	0.985
15	17	10	68.383	8.978	67.965	241.25	0.849
15	17	12	160.082	3.505	282.804	4.20	0.965
15	17	14	67.389	9.019	69.817	315.86	0.688
15	17	16	89.404	6.158	58.677	15.23	0.956
15	17	18	217.050	3.906	356.385	20.42	0.987
15	17	20	110.270	6.702	124.323	273.92	0.963
15	17	22	130.629	7.929	148.335	314.57	0.972
15	17	24	41.070	12.021	12.455	93.47	0.377
15	17	26	48.407	12.873	30.839	258.17	0.674
15	17	28	166.650	4.590	226.681	34.28	0.989
15	17	30	73.996	10.858	79.187	90.45	0.946
15	17	32	113.406	7.578	193.720	336.07	0.961
15	18	1	108.821	5.495	155.606	336.17	0.931
15	18	3	103.275	5.469	60.608	172.69	0.238
15	18	5	148.467	3.767	296.462	284.30	0.876
15	18	7	87.838	6.626	112.195	97.41	0.914
15	18	9	148.442	4.914	167.368	316.13	0.973
15	18	11	242.931	3.444	310.311	339.27	0.990
15	18	13	273.104	3.229	384.263	75.57	0.993
15	18	15	131.434	4.589	178.846	151.25	0.970
15	18	17	188.536	3.948	312.932	71.80	0.982
15	18	19	125.476	6.059	151.593	31.25	0.970
15	18	21	110.778	5.887	168.277	271.95	0.945
15	18	23	54.901	12.032	53.201	177.13	0.780
15	18	25	34.042	9.562	8.627	352.73	0.691
15	18	27	38.438	12.192	21.619	78.49	0.548
15	18	29	66.941	9.890	77.012	71.32	0.931
15	18	31	31.910	10.601	8.037	2.75	0.627
15	19	0	25.181	12.245	26.048	180.00	0.727
15	19	2	63.161	9.237	38.757	80.07	0.857
15	19	4	208.507	3.610	312.334	173.44	0.984
15	19	6	212.815	4.501	381.414	80.08	0.976
15	19	8	93.928	7.094	151.545	229.49	0.835
15	19	10	169.854	5.007	251.822	78.34	0.974
15	19	12	154.587	4.247	232.772	14.68	0.978
15	19	14	34.236	9.799	3.214	287.23	0.360
15	19	16	196.773	4.233	328.508	127.25	0.984
15	19	18	42.473	10.485	28.937	248.93	0.481
15	19	20	133.008	6.699	161.213	165.21	0.973
15	19	22	122.743	5.948	224.375	93.52	0.726
15	19	24	55.576	11.991	39.671	4.78	0.854
15	19	26	110.800	7.743	161.143	206.61	0.972
15	19	28	112.518	10.208	201.745	15.94	0.954
15	19	30	31.534	10.349	4.486	178.80	0.691
15	20	1	127.691	4.639	202.954	329.92	0.950
15	20	3	86.957	6.641	124.382	90.42	0.871
15	20	5	50.813	9.959	25.234	102.02	0.865
15	20	7	80.385	7.487	104.526	105.47	0.907
15	20	9	82.505	7.483	104.667	133.20	0.919
15	20	11	130.123	6.820	216.644	77.72	0.957
15	20	13	38.981	10.323	11.412	280.02	0.719
15	20	15	68.815	9.216	64.251	134.56	0.901
15	20	17	106.841	6.888	172.028	154.43	0.941
15	20	19	122.449	4.460	220.448	309.14	0.934
15	20	21	81.289	8.681	116.686	166.27	0.905
15	20	23	46.211	11.179	13.163	55.36	0.190
15	20	25	150.159	4.515	192.707	298.26	0.988
15	20	27	64.203	13.511	73.423	88.94	0.901
15	20	29	48.322	11.763	37.740	167.03	0.857
15	21	0	37.148	14.994	45.828	180.00	0.860
15	21	2	36.891	10.228	12.282	329.25	0.730
15	21	4	102.721	5.939	161.410	229.26	0.939
15	21	6	55.715	10.694	49.401	164.20	0.803
15	21	8	87.945	8.678	52.298	15.63	0.955
15	21	10	111.782	7.425	198.498	238.12	0.935
15	21	12	133.309	5.321	267.152	65.89	0.937
15	21	14	65.174	9.361	44.638	39.69	0.899
15	21	16	173.421	3.711	272.953	121.47	0.980
15	21	18	128.281	5.863	187.110	31.30	0.971
15	21	20	171.256	4.461	292.307	314.02	0.980
15	21	22	45.723	11.564	34.272	68.69	0.846

15	21	24	177.141	4.654	304.762	188.27	0.988
15	21	26	35.101	10.724	15.808	172.87	0.708
15	21	28	68.608	14.851	88.909	131.49	0.790
15	22	1	99.057	6.725	142.648	67.15	0.942
15	22	3	127.872	5.577	185.810	137.49	0.967
15	22	5	53.679	11.700	25.932	42.38	0.265
15	22	7	100.351	6.284	183.541	43.38	0.902
15	22	9	46.840	11.333	25.020	284.05	0.442
15	22	11	63.114	10.268	41.583	280.58	0.889
15	22	13	66.889	10.977	91.345	141.24	0.826
15	22	15	192.764	4.309	324.359	230.10	0.983
15	22	17	57.583	10.954	64.643	62.67	0.720
15	22	19	101.609	6.907	153.425	357.19	0.949
15	22	21	68.158	10.544	54.836	131.30	0.948
15	22	23	61.913	11.358	41.141	143.15	0.938
15	22	25	40.757	11.066	26.719	241.62	0.763
15	22	27	38.659	12.292	19.103	202.27	0.455
15	23	0	92.479	8.299	133.531	180.00	0.998
15	23	2	34.836	10.239	1.403	1.35	0.468
15	23	4	36.610	10.276	7.990	296.40	0.427
15	23	6	60.771	9.984	25.206	153.60	0.908
15	23	8	58.269	11.535	55.895	169.03	0.815
15	23	10	70.156	12.442	60.251	299.27	0.903
15	23	12	82.554	11.131	81.058	282.84	0.426
15	23	14	118.532	6.482	192.266	185.25	0.960
15	23	16	68.632	9.658	63.922	317.64	0.912
15	23	18	85.677	7.868	126.155	260.51	0.919
15	23	20	71.778	9.077	111.936	29.00	0.910
15	23	22	80.937	11.277	106.001	102.12	0.943
15	23	24	39.179	10.559	13.718	83.07	0.222
15	24	1	127.496	4.874	218.973	341.31	0.956
15	24	3	41.510	11.971	5.617	169.35	0.705
15	24	5	114.955	5.730	194.006	335.96	0.945
15	24	7	55.290	10.568	57.487	251.02	0.707
15	24	9	51.653	12.546	45.688	182.11	0.760
15	24	11	117.880	6.809	192.904	278.70	0.959
15	24	13	29.197	9.615	14.979	311.02	0.579
15	24	15	66.503	8.925	91.204	8.17	0.829
15	24	17	56.334	10.550	77.072	82.35	0.828
15	24	19	44.327	12.147	37.051	284.33	0.619
15	24	21	41.877	12.142	26.897	135.82	0.442
15	24	23	58.182	12.796	13.317	242.53	0.158
15	25	0	97.568	11.217	134.232	0.00	0.960
15	25	2	68.777	10.349	102.127	270.45	0.762
15	25	4	58.538	12.571	69.002	84.67	0.765
15	25	6	75.669	9.654	87.610	82.71	0.922
15	25	8	65.747	10.803	73.787	290.46	0.883
15	25	10	60.680	12.387	49.217	334.60	0.882
15	25	12	72.000	11.337	82.473	175.14	0.901
15	25	14	32.368	10.791	11.722	172.95	0.579
15	25	16	45.245	11.019	25.304	29.75	0.325
15	25	18	65.554	11.049	96.473	15.26	0.871
15	25	20	29.642	10.118	3.200	271.46	0.141
15	25	22	33.201	11.169	5.443	140.04	0.224
15	26	1	38.956	11.373	9.297	190.30	0.160
15	26	3	92.773	8.032	169.412	113.62	0.894
15	26	5	101.859	7.457	134.295	55.44	0.960
15	26	7	51.391	10.207	49.075	352.46	0.805
15	26	9	141.938	5.059	256.493	182.44	0.981
15	26	11	35.580	10.800	19.348	295.16	0.570
15	26	13	55.657	12.820	69.984	214.18	0.668
15	26	15	40.587	11.676	24.247	349.05	0.449
15	26	17	66.730	9.550	92.625	357.82	0.919
15	26	19	39.906	12.671	23.115	295.91	0.446
15	27	0	30.117	13.265	33.256	0.00	0.786
15	27	2	52.680	10.763	66.246	290.87	0.845
15	27	4	37.700	11.200	21.370	4.34	0.419
15	27	6	44.598	11.530	20.802	32.74	0.881
15	27	8	75.586	9.798	110.387	310.25	0.610
15	27	10	60.426	9.746	90.144	149.56	0.861
15	27	12	58.714	12.263	79.270	205.21	0.719
15	27	14	56.304	11.389	75.425	237.68	0.837
15	27	16	32.317	10.842	11.880	108.26	0.815
15	27	18	51.123	12.611	53.121	41.21	0.678
15	28	1	54.162	11.580	63.197	9.76	0.875
15	28	3	38.432	10.927	27.250	228.50	0.646
15	28	5	43.501	11.163	23.262	45.69	0.366

15	28	7	80.182	8.706	144.024	111.66	0.903
15	28	9	30.680	9.563	9.359	203.41	0.371
15	28	11	43.548	12.656	26.971	231.16	0.475
15	28	13	55.465	12.526	61.164	146.02	0.828
15	28	15	40.271	13.603	19.797	135.84	0.693
15	29	0	42.454	14.710	42.560	0.00	0.741
15	29	2	39.410	13.002	27.095	359.39	0.686
15	29	4	59.675	12.291	78.115	167.97	0.660
15	29	6	44.820	12.310	20.783	264.14	0.876
15	29	8	37.574	11.241	11.487	250.65	0.207
15	29	10	36.611	11.378	11.272	312.86	0.788
15	30	1	31.212	10.202	7.963	177.81	0.699
15	30	3	38.829	11.883	15.544	270.58	0.322
15	30	5	41.729	12.288	27.072	149.85	0.597
16	0	0	225.194	3.558	330.719	0.00	1.000
16	0	2	28.559	10.727	20.711	180.00	0.495
16	0	4	100.586	3.757	72.527	0.00	0.492
16	0	6	146.221	2.897	214.224	180.00	1.000
16	0	8	253.789	3.016	371.167	180.00	1.000
16	0	10	38.001	9.895	15.722	180.00	0.284
16	0	12	208.188	3.041	302.887	180.00	1.000
16	0	14	452.244	5.234	655.595	180.00	1.000
16	0	16	196.969	3.651	284.475	180.00	1.000
16	0	18	27.124	11.837	18.416	0.00	0.474
16	0	20	58.697	9.650	39.639	180.00	0.473
16	0	22	114.447	8.913	162.566	0.00	1.000
16	0	24	281.495	4.727	398.009	0.00	1.000
16	0	26	299.123	4.967	420.001	0.00	1.000
16	0	28	91.135	12.852	125.996	0.00	1.000
16	0	30	42.008	15.979	55.829	0.00	0.979
16	0	32	146.411	7.040	200.031	180.00	1.000
16	0	34	150.470	6.546	203.511	0.00	1.000
16	0	36	42.070	14.798	42.508	180.00	0.792
16	0	38	50.004	16.906	54.239	180.00	0.899
16	1	1	167.092	2.818	213.545	192.91	0.976
16	1	3	174.174	1.934	243.377	270.00	0.991
16	1	5	153.436	2.961	302.530	278.14	0.933
16	1	7	200.293	1.933	231.091	196.96	0.984
16	1	9	126.135	2.373	184.846	304.39	0.962
16	1	11	197.049	2.074	290.311	74.41	0.981
16	1	13	286.134	2.550	467.379	125.32	0.987
16	1	15	312.042	2.820	447.718	133.92	0.992
16	1	17	135.694	3.278	114.495	207.08	0.962
16	1	19	68.031	5.955	9.340	117.95	0.083
16	1	21	208.524	3.271	265.382	217.91	0.982
16	1	23	279.152	3.233	316.599	191.20	0.992
16	1	25	181.773	3.627	297.421	99.34	0.980
16	1	27	155.953	5.118	218.136	235.47	0.979
16	1	29	39.932	11.523	4.383	223.96	0.538
16	1	31	34.991	10.506	3.021	236.44	0.179
16	1	33	116.067	5.616	195.573	39.86	0.935
16	1	35	31.055	9.797	5.137	303.26	0.682
16	1	37	69.292	10.326	100.223	110.91	0.739
16	2	0	113.855	5.581	141.522	180.00	0.847
16	2	2	57.654	4.225	32.052	160.07	0.598
16	2	4	253.909	2.852	356.576	15.75	0.987
16	2	6	417.800	4.220	550.199	149.79	0.996
16	2	8	334.406	3.101	457.713	342.11	0.993
16	2	10	298.831	2.498	380.871	338.93	0.991
16	2	12	94.733	4.470	125.432	355.52	0.871
16	2	14	134.092	3.351	174.402	188.76	0.954
16	2	16	158.541	2.795	249.730	64.47	0.955
16	2	18	42.155	8.214	18.913	152.91	0.663
16	2	20	203.757	3.180	340.756	85.93	0.968
16	2	22	338.107	3.441	479.795	210.94	0.994
16	2	24	205.188	3.477	237.163	174.95	0.985
16	2	26	143.080	4.439	174.813	61.20	0.976
16	2	28	81.731	7.596	119.408	276.15	0.870
16	2	30	219.734	3.432	255.426	248.76	0.990
16	2	32	83.040	8.914	101.550	339.18	0.922
16	2	34	48.914	11.953	25.468	201.50	0.885
16	2	36	68.962	12.708	59.213	329.61	0.938
16	2	38	48.200	12.564	30.814	122.77	0.842
16	3	1	400.223	4.309	621.468	295.14	0.994
16	3	3	292.809	4.914	448.033	341.87	0.989
16	3	5	245.112	2.739	389.628	87.35	0.984
16	3	7	191.842	2.553	327.133	288.40	0.971

16	3	9	245.008	2.343	376.035	61.13	0.988
16	3	11	226.406	2.902	284.005	340.22	0.986
16	3	13	133.834	2.684	162.318	127.79	0.949
16	3	15	62.358	5.539	46.835	224.62	0.880
16	3	17	114.393	3.593	181.886	275.50	0.911
16	3	19	52.715	9.354	19.360	332.44	0.597
16	3	21	281.331	3.120	394.003	105.91	0.989
16	3	23	106.603	6.017	187.334	311.00	0.842
16	3	25	201.501	3.788	312.510	163.93	0.985
16	3	27	83.572	7.543	102.409	123.10	0.922
16	3	29	97.865	6.330	169.357	157.27	0.813
16	3	31	53.696	10.811	8.823	119.37	0.890
16	3	33	37.866	11.245	1.152	160.74	0.695
16	3	35	43.639	12.628	26.258	88.45	0.403
16	3	37	107.494	6.736	166.756	194.06	0.965
16	4	0	71.492	6.829	50.871	180.00	0.485
16	4	2	363.932	4.120	510.644	301.51	0.994
16	4	4	229.617	2.723	359.373	228.15	0.983
16	4	6	186.191	2.324	318.683	276.56	0.967
16	4	8	378.269	3.835	489.777	170.93	0.995
16	4	10	181.184	2.432	259.698	339.72	0.973
16	4	12	358.751	3.176	547.008	214.16	0.993
16	4	14	187.243	2.819	234.325	70.07	0.977
16	4	16	210.602	2.623	314.019	128.77	0.979
16	4	18	390.212	3.472	549.764	30.20	0.994
16	4	20	398.891	3.680	604.753	140.01	0.993
16	4	22	162.789	3.850	169.623	200.11	0.978
16	4	24	170.041	4.170	275.156	86.21	0.968
16	4	26	161.419	4.565	274.568	89.70	0.972
16	4	28	52.753	11.464	8.248	300.32	0.857
16	4	30	99.148	6.398	124.163	99.81	0.941
16	4	32	36.758	10.847	5.691	101.88	0.229
16	4	34	135.816	5.837	206.619	76.21	0.980
16	4	36	34.856	10.925	8.045	118.88	0.223
16	5	1	344.744	4.870	530.114	352.48	0.992
16	5	3	177.462	3.815	298.194	23.68	0.956
16	5	5	251.402	2.666	328.902	76.33	0.989
16	5	7	413.270	5.845	603.627	177.95	0.995
16	5	9	459.794	4.164	731.838	284.50	0.995
16	5	11	60.729	4.526	64.773	139.54	0.701
16	5	13	70.521	5.654	48.212	181.07	0.835
16	5	15	424.294	3.872	632.970	6.68	0.995
16	5	17	173.507	3.045	264.391	70.84	0.966
16	5	19	202.665	3.464	290.010	123.28	0.975
16	5	21	364.270	3.430	513.031	23.38	0.995
16	5	23	93.533	6.702	151.347	262.70	0.826
16	5	25	224.881	3.561	299.329	52.83	0.990
16	5	27	173.164	4.451	235.756	40.62	0.983
16	5	29	43.253	12.029	18.296	220.00	0.469
16	5	31	161.786	5.305	251.078	284.91	0.979
16	5	33	49.523	12.246	36.082	275.21	0.408
16	5	35	88.704	8.497	120.803	338.00	0.951
16	5	37	37.059	10.806	10.992	43.95	0.764
16	6	0	32.727	14.960	18.334	0.00	0.383
16	6	2	279.888	4.206	425.659	100.62	0.989
16	6	4	254.687	3.565	376.976	138.43	0.986
16	6	6	203.476	2.554	156.527	123.41	0.986
16	6	8	405.761	5.635	561.701	302.94	0.995
16	6	10	438.410	4.120	585.599	353.99	0.996
16	6	12	215.046	2.394	349.918	52.55	0.977
16	6	14	129.280	2.843	197.516	197.94	0.941
16	6	16	281.293	2.881	411.761	332.02	0.987
16	6	18	255.519	2.880	321.745	167.99	0.986
16	6	20	292.654	3.063	436.953	303.01	0.992
16	6	22	85.358	7.037	108.936	269.46	0.889
16	6	24	40.656	10.971	3.999	57.32	0.667
16	6	26	120.142	5.584	136.571	56.85	0.968
16	6	28	62.924	10.661	43.820	150.78	0.877
16	6	30	192.464	4.659	221.941	182.62	0.987
16	6	32	117.984	6.141	157.214	237.28	0.965
16	6	34	53.588	10.421	69.135	219.16	0.781
16	6	36	66.485	11.544	86.299	348.57	0.889
16	7	1	370.219	4.362	557.700	225.71	0.994
16	7	3	172.490	2.424	201.468	189.07	0.983
16	7	5	223.675	2.678	321.976	128.19	0.983
16	7	7	309.418	3.304	461.568	223.62	0.991
16	7	9	108.208	2.331	157.306	102.80	0.960

16	7	11	532.323	5.095	807.218	99.21	0.997
16	7	13	216.404	2.704	348.325	140.81	0.977
16	7	15	117.202	3.615	134.365	42.57	0.948
16	7	17	144.178	3.898	257.819	103.99	0.922
16	7	19	80.432	5.524	44.207	280.26	0.295
16	7	21	156.701	3.901	245.122	284.86	0.966
16	7	23	152.801	4.417	242.401	238.69	0.961
16	7	25	217.958	3.750	347.957	347.11	0.987
16	7	27	142.239	5.127	169.929	354.82	0.978
16	7	29	35.155	10.973	56.975	87.36	0.808
16	7	31	77.448	8.841	62.085	349.26	0.936
16	7	33	45.818	12.352	37.665	245.38	0.602
16	7	35	81.420	10.520	128.117	18.34	0.917
16	7	37	29.659	9.845	1.751	164.16	0.597
16	8	0	247.640	6.942	363.324	180.00	1.000
16	8	2	94.555	5.155	38.479	42.69	0.265
16	8	4	361.141	3.468	492.862	270.12	0.994
16	8	6	158.894	2.640	253.289	259.14	0.959
16	8	8	172.727	2.741	217.545	305.20	0.978
16	8	10	473.970	3.933	819.719	69.82	0.995
16	8	12	60.504	6.173	55.802	305.39	0.670
16	8	14	240.610	2.877	312.872	199.10	0.988
16	8	16	197.977	2.635	320.882	127.60	0.973
16	8	18	240.962	3.018	394.723	134.96	0.979
16	8	20	60.950	8.679	66.432	135.57	0.674
16	8	22	164.040	4.110	235.363	211.88	0.972
16	8	24	128.267	5.679	147.413	227.80	0.972
16	8	26	271.991	3.369	415.027	295.88	0.992
16	8	28	185.761	3.985	272.248	271.75	0.983
16	8	30	108.845	7.352	151.665	258.22	0.956
16	8	32	138.117	6.272	250.026	64.60	0.974
16	8	34	144.428	5.146	253.575	261.59	0.975
16	8	36	111.565	6.910	159.664	334.30	0.972
16	9	1	231.907	3.109	368.557	291.75	0.982
16	9	3	35.212	6.987	12.733	46.17	0.361
16	9	5	202.657	2.487	283.120	358.95	0.979
16	9	7	408.549	3.717	628.722	40.16	0.994
16	9	9	32.422	7.679	26.940	106.95	0.379
16	9	11	361.204	3.182	545.954	98.43	0.993
16	9	13	314.137	3.191	540.103	352.18	0.987
16	9	15	369.885	3.654	534.094	264.32	0.993
16	9	17	170.247	3.364	245.791	236.76	0.963
16	9	19	156.464	3.447	264.152	89.29	0.957
16	9	21	191.194	3.693	264.301	232.14	0.981
16	9	23	102.611	6.256	77.222	248.59	0.964
16	9	25	78.158	7.628	96.565	130.32	0.895
16	9	27	157.214	4.681	310.174	32.78	0.956
16	9	29	55.789	11.244	40.346	235.28	0.845
16	9	31	154.830	4.986	230.856	253.98	0.978
16	9	33	36.931	11.239	17.586	16.03	0.612
16	9	35	62.360	11.390	70.375	209.05	0.896
16	10	0	46.947	11.107	53.237	0.00	0.774
16	10	2	248.730	2.396	401.618	300.14	0.985
16	10	4	151.430	2.709	231.567	85.62	0.974
16	10	6	144.428	2.813	199.670	47.21	0.956
16	10	8	202.947	2.908	274.050	137.74	0.983
16	10	10	249.335	2.421	377.997	68.52	0.988
16	10	12	236.676	3.059	378.709	10.50	0.979
16	10	14	231.173	3.899	342.185	318.41	0.981
16	10	16	195.468	3.397	299.111	193.14	0.974
16	10	18	160.611	3.872	262.963	63.01	0.966
16	10	20	228.031	3.398	323.176	266.62	0.987
16	10	22	351.879	3.548	546.061	12.97	0.995
16	10	24	33.480	10.091	14.497	199.93	0.539
16	10	26	49.070	11.218	37.087	108.11	0.648
16	10	28	136.516	5.268	207.442	178.02	0.965
16	10	30	154.270	4.974	245.051	114.91	0.976
16	10	32	40.864	10.964	27.238	297.39	0.772
16	10	34	44.877	11.355	43.995	294.66	0.701
16	10	36	28.805	9.715	19.904	97.11	0.763
16	11	1	272.264	2.846	391.445	260.88	0.988
16	11	3	234.223	2.328	352.253	224.24	0.983
16	11	5	67.388	5.346	49.002	284.30	0.799
16	11	7	141.825	3.058	206.635	308.44	0.951
16	11	9	206.640	2.940	300.563	337.76	0.980
16	11	11	171.187	2.853	288.847	347.30	0.956
16	11	13	308.502	3.447	404.890	284.54	0.990

16	11	15	325.491	3.882	476.269	272.12	0.991
16	11	17	346.995	3.757	677.152	275.69	0.991
16	11	19	155.551	4.240	327.575	346.29	0.902
16	11	21	193.064	3.727	255.290	104.06	0.987
16	11	23	95.088	6.743	146.284	286.29	0.918
16	11	25	232.963	3.694	313.045	225.65	0.991
16	11	27	54.472	10.478	17.480	297.00	0.177
16	11	29	133.083	5.827	258.769	231.30	0.945
16	11	31	51.576	12.264	23.596	329.60	0.941
16	11	33	45.159	12.085	20.661	219.11	0.314
16	11	35	44.164	12.512	31.660	325.44	0.678
16	12	0	48.218	12.752	46.235	0.00	0.655
16	12	2	302.158	2.925	467.502	302.23	0.991
16	12	4	297.057	2.992	451.310	344.72	0.989
16	12	6	155.364	3.108	243.336	103.17	0.957
16	12	8	144.609	3.729	185.364	130.12	0.966
16	12	10	69.802	5.698	55.594	156.03	0.766
16	12	12	83.168	5.030	80.895	40.90	0.855
16	12	14	150.450	3.593	233.988	306.31	0.955
16	12	16	102.469	6.842	108.026	337.73	0.951
16	12	18	140.965	4.368	227.174	252.31	0.955
16	12	20	182.947	3.943	281.466	113.18	0.984
16	12	22	147.296	4.921	204.975	208.98	0.976
16	12	24	37.575	10.327	10.646	276.15	0.705
16	12	26	74.777	11.689	107.012	264.09	0.819
16	12	28	111.808	6.306	183.981	22.61	0.943
16	12	30	31.715	10.220	6.034	8.27	0.339
16	12	32	104.334	7.414	115.987	85.51	0.976
16	12	34	34.736	10.934	17.022	117.91	0.406
16	13	1	291.770	3.694	422.539	189.38	0.990
16	13	3	317.997	3.048	539.842	298.65	0.988
16	13	5	233.761	3.168	344.491	233.27	0.982
16	13	7	80.516	5.248	81.121	208.54	0.811
16	13	9	110.509	4.415	137.338	112.88	0.916
16	13	11	150.195	3.240	197.823	143.35	0.956
16	13	13	142.796	3.689	274.403	91.98	0.887
16	13	15	348.516	3.531	569.722	98.11	0.993
16	13	17	148.515	4.274	284.430	58.02	0.941
16	13	19	163.156	4.109	216.910	196.38	0.982
16	13	21	52.167	10.759	43.700	117.68	0.647
16	13	23	107.088	5.945	114.395	359.18	0.961
16	13	25	155.367	4.154	268.867	293.99	0.970
16	13	27	55.871	10.974	46.988	147.94	0.830
16	13	29	58.227	11.271	50.446	322.98	0.516
16	13	31	33.401	10.554	10.040	255.33	0.430
16	13	33	31.769	10.033	8.559	173.67	0.462
16	14	0	89.704	7.073	127.499	180.00	0.970
16	14	2	150.726	3.377	211.368	215.65	0.964
16	14	4	111.372	3.351	153.491	119.58	0.745
16	14	6	82.873	7.136	82.711	115.41	0.846
16	14	8	266.078	3.269	391.047	69.91	0.987
16	14	10	258.498	3.201	394.821	253.65	0.986
16	14	12	328.327	3.224	502.233	148.99	0.993
16	14	14	63.453	10.872	37.146	154.89	0.866
16	14	16	138.028	4.468	263.205	274.50	0.875
16	14	18	71.877	9.652	41.283	275.52	0.928
16	14	20	92.831	9.168	130.982	314.41	0.917
16	14	22	139.582	5.191	214.934	76.84	0.968
16	14	24	182.403	3.988	295.250	333.27	0.981
16	14	26	112.813	5.913	147.532	227.57	0.965
16	14	28	100.668	8.590	150.171	76.92	0.942
16	14	30	58.378	11.444	71.554	282.53	0.854
16	14	32	39.895	11.882	28.028	228.25	0.715
16	15	1	254.601	3.141	571.193	48.72	0.870
16	15	3	316.468	3.168	475.187	15.90	0.990
16	15	5	133.452	4.064	192.387	21.17	0.940
16	15	7	220.469	3.537	388.023	329.76	0.973
16	15	9	52.077	10.094	29.705	241.49	0.585
16	15	11	183.227	3.641	283.346	282.85	0.978
16	15	13	203.331	3.464	251.396	72.75	0.985
16	15	15	159.506	4.842	200.658	192.65	0.975
16	15	17	52.029	10.145	31.769	24.94	0.814
16	15	19	39.069	10.810	12.949	92.74	0.748
16	15	21	112.293	5.595	145.665	101.73	0.512
16	15	23	54.883	9.998	16.029	31.37	0.868
16	15	25	83.422	8.065	58.900	123.36	0.952
16	15	27	128.608	6.039	165.018	52.92	0.973

16	15	29	42.912	10.850	37.494	121.32	0.675
16	15	31	73.650	9.354	117.030	326.92	0.901
16	16	0	24.538	10.832	2.466	0.00	0.069
16	16	2	70.318	8.990	79.027	310.28	0.822
16	16	4	273.052	2.886	448.824	281.14	0.986
16	16	6	51.946	11.081	15.571	281.28	0.242
16	16	8	95.894	6.898	136.466	306.79	0.910
16	16	10	170.496	4.475	277.625	28.87	0.970
16	16	12	141.487	4.994	175.738	254.47	0.968
16	16	14	125.267	5.639	192.523	96.86	0.961
16	16	16	67.900	10.237	72.623	310.93	0.902
16	16	18	104.824	5.324	161.439	146.26	0.942
16	16	20	175.206	3.888	327.057	132.49	0.973
16	16	22	190.533	4.869	289.707	336.32	0.984
16	16	24	43.506	10.536	5.858	202.80	0.101
16	16	26	127.710	5.395	136.891	280.22	0.977
16	16	28	54.086	11.229	35.338	337.17	0.919
16	16	30	100.456	7.085	198.066	37.18	0.918
16	16	32	78.240	11.943	112.595	26.93	0.734
16	17	1	121.660	4.973	195.961	305.13	0.942
16	17	3	138.841	4.704	170.642	273.08	0.969
16	17	5	120.347	4.645	173.373	197.64	0.948
16	17	7	58.875	11.575	37.939	307.65	0.421
16	17	9	138.499	5.607	185.769	256.91	0.965
16	17	11	165.839	4.174	184.304	301.40	0.980
16	17	13	180.313	4.241	256.081	14.19	0.984
16	17	15	101.104	5.999	181.007	352.41	0.907
16	17	17	132.389	5.817	153.339	238.35	0.975
16	17	19	190.979	4.178	302.484	66.64	0.984
16	17	21	66.205	10.650	73.384	65.05	0.853
16	17	23	124.429	7.898	216.869	348.56	0.955
16	17	25	46.667	11.987	28.452	176.07	0.517
16	17	27	56.887	11.767	66.958	76.73	0.666
16	17	29	40.095	11.844	27.125	240.51	0.512
16	17	31	25.443	8.811	15.088	34.02	0.628
16	18	0	351.596	5.283	514.697	180.00	1.000
16	18	2	69.278	8.402	83.517	198.33	0.795
16	18	4	267.341	3.297	363.693	254.22	0.991
16	18	6	341.711	3.994	500.435	279.27	0.994
16	18	8	90.979	8.217	146.712	238.92	0.820
16	18	10	130.262	5.190	216.595	222.28	0.960
16	18	12	182.397	3.843	251.349	202.36	0.986
16	18	14	233.143	3.471	340.119	21.07	0.990
16	18	16	98.859	6.401	116.135	318.79	0.951
16	18	18	95.588	8.118	147.798	128.34	0.924
16	18	20	44.002	11.376	15.896	293.28	0.733
16	18	22	48.861	11.334	32.381	145.08	0.747
16	18	24	135.367	6.855	156.383	66.06	0.978
16	18	26	46.911	11.213	35.482	93.16	0.863
16	18	28	63.495	12.438	91.396	84.51	0.834
16	18	30	35.460	11.189	9.653	228.55	0.289
16	19	1	183.033	3.793	296.974	125.01	0.977
16	19	3	40.158	10.739	17.971	354.86	0.647
16	19	5	92.346	5.848	164.499	73.02	0.897
16	19	7	196.916	4.400	294.502	39.58	0.987
16	19	9	139.902	4.839	194.972	146.27	0.973
16	19	11	175.718	4.728	240.989	192.95	0.984
16	19	13	101.845	6.391	55.545	94.95	0.969
16	19	15	165.333	4.224	243.719	66.65	0.981
16	19	17	97.662	6.009	102.847	230.54	0.954
16	19	19	46.268	11.631	21.194	236.44	0.345
16	19	21	45.753	12.133	23.630	335.98	0.732
16	19	23	112.143	6.377	173.851	234.64	0.973
16	19	25	31.497	10.058	6.541	195.43	0.309
16	19	27	85.221	8.242	154.836	11.55	0.903
16	19	29	96.857	11.547	161.208	56.22	0.932
16	20	0	50.787	14.955	73.033	0.00	0.993
16	20	2	76.471	9.421	103.812	190.25	0.911
16	20	4	144.291	5.009	152.723	111.09	0.981
16	20	6	79.970	7.820	128.489	26.83	0.866
16	20	8	182.071	5.200	237.696	348.21	0.986
16	20	10	63.629	10.641	21.793	175.78	0.914
16	20	12	121.252	6.357	191.240	283.38	0.959
16	20	14	95.015	6.804	115.934	48.96	0.946
16	20	16	134.120	5.957	160.178	79.40	0.975
16	20	18	79.753	9.991	91.107	230.89	0.931
16	20	20	66.930	10.595	78.344	78.95	0.880

16	20	22	149.560	5.505	243.049	95.60	0.985
16	20	24	111.268	6.357	125.562	243.29	0.980
16	20	26	115.446	5.561	222.198	265.95	0.961
16	20	28	49.698	13.823	45.928	326.75	0.753
16	21	1	100.047	6.744	127.156	353.55	0.953
16	21	3	48.565	12.093	7.348	188.13	0.858
16	21	5	40.360	10.069	15.826	356.77	0.781
16	21	7	99.807	6.255	162.006	154.71	0.924
16	21	9	51.529	10.992	27.224	146.32	0.831
16	21	11	58.431	9.891	51.833	277.22	0.848
16	21	13	40.116	10.698	7.694	17.92	0.567
16	21	15	80.873	7.550	136.760	181.33	0.817
16	21	17	48.580	12.058	34.873	122.84	0.643
16	21	19	71.784	11.090	33.056	119.33	0.940
16	21	21	114.893	6.132	222.766	74.03	0.945
16	21	23	66.911	9.220	105.370	17.22	0.850
16	21	25	47.276	11.573	23.266	243.91	0.890
16	22	0	169.659	5.582	247.716	0.00	1.000
16	22	2	162.474	5.807	260.082	3.38	0.979
16	22	4	141.301	5.035	240.625	108.81	0.968
16	22	6	120.405	4.319	208.563	224.20	0.953
16	22	8	154.890	5.013	230.712	274.21	0.978
16	22	10	50.213	12.488	17.676	22.89	0.223
16	22	12	140.025	5.786	198.275	89.95	0.973
16	22	14	67.223	10.400	96.365	327.27	0.720
16	22	16	118.745	5.374	214.746	167.60	0.951
16	22	18	104.675	7.190	149.918	278.29	0.972
16	22	20	66.338	11.238	99.757	327.19	0.884
16	22	22	114.010	6.886	175.956	134.25	0.975
16	22	24	56.185	12.063	26.373	183.94	0.927
16	23	1	77.687	9.484	117.479	177.36	0.862
16	23	3	82.044	9.528	126.686	47.86	0.893
16	23	5	73.766	8.983	108.567	236.82	0.732
16	23	7	50.477	11.148	35.317	280.34	0.777
16	23	9	160.962	5.260	229.643	300.06	0.984
16	23	11	39.312	10.814	5.822	148.36	0.701
16	23	13	55.719	12.728	56.444	248.78	0.717
16	23	15	125.966	6.906	202.621	92.04	0.966
16	23	17	51.766	10.474	68.680	158.05	0.817
16	23	19	51.401	11.471	53.537	241.13	0.858
16	23	21	82.607	9.541	114.286	198.52	0.954
16	23	23	57.686	13.769	48.104	211.91	0.467
16	24	0	33.432	13.689	45.409	180.00	0.949
16	24	2	43.023	12.646	24.200	170.97	0.621
16	24	4	53.864	11.342	30.597	97.75	0.874
16	24	6	44.493	11.410	28.324	147.68	0.549
16	24	8	60.528	9.499	79.988	339.07	0.720
16	24	10	67.966	10.467	48.873	83.85	0.924
16	24	12	45.582	11.905	21.195	174.38	0.772
16	24	14	70.643	11.599	74.750	199.89	0.945
16	24	16	43.896	10.677	22.208	14.01	0.285
16	24	18	71.143	9.528	105.272	283.00	0.915
16	24	20	34.405	10.808	16.998	7.56	0.525
16	24	22	52.891	13.829	53.485	20.48	0.761
16	25	1	36.650	10.066	10.360	149.58	0.344
16	25	3	28.783	9.473	6.305	234.28	0.164
16	25	5	41.190	10.479	12.863	80.41	0.719
16	25	7	130.175	5.249	177.076	183.02	0.975
16	25	9	35.983	9.778	28.156	91.84	0.628
16	25	11	79.247	9.817	141.647	299.67	0.898
16	25	13	52.162	10.593	53.164	343.94	0.886
16	25	15	72.689	11.181	58.122	283.64	0.958
16	25	17	37.386	11.280	18.421	276.05	0.794
16	25	19	49.173	13.345	48.184	344.62	0.725
16	26	0	75.697	13.874	39.637	0.00	0.371
16	26	2	67.283	13.567	106.415	296.31	0.869
16	26	4	62.782	11.076	86.057	230.02	0.904
16	26	6	38.278	10.787	2.817	302.26	0.874
16	26	8	90.217	7.439	150.931	65.54	0.953
16	26	10	102.203	6.401	188.282	127.71	0.957
16	26	12	34.893	10.738	17.563	348.02	0.605
16	26	14	43.343	12.691	30.428	84.66	0.468
16	26	16	40.966	12.006	30.366	43.19	0.625
16	26	18	37.639	11.951	11.072	352.36	0.769
16	27	1	99.718	7.081	144.525	53.44	0.971
16	27	3	34.657	10.609	5.839	115.84	0.818
16	27	5	37.929	10.931	17.241	98.96	0.809

16	27	7	36.169	10.447	18.933	344.09	0.690
16	27	9	52.409	11.308	68.830	179.13	0.796
16	27	11	40.299	11.718	22.492	115.08	0.793
16	27	13	63.356	12.566	67.261	83.34	0.920
16	27	15	33.844	11.351	8.170	110.84	0.768
16	28	0	26.688	12.670	12.584	0.00	0.340
16	28	2	42.775	12.174	31.094	73.90	0.830
16	28	4	50.445	12.436	13.608	112.46	0.924
16	28	6	28.211	9.419	3.921	208.51	0.325
16	28	8	111.500	5.919	229.648	274.50	0.955
16	28	10	49.915	12.525	54.203	196.02	0.780
16	28	12	30.785	10.458	4.773	21.92	0.568
16	29	1	31.758	9.910	14.949	294.06	0.515
16	29	3	54.198	16.227	47.876	296.67	0.850
16	29	5	40.160	12.373	29.300	253.62	0.609
17	0	1	224.663	3.509	331.829	0.00	1.000
17	0	3	57.398	5.730	57.179	0.00	0.675
17	0	5	409.867	6.106	604.539	180.00	1.000
17	0	7	114.694	3.419	168.528	180.00	1.000
17	0	9	37.946	6.942	17.024	180.00	0.305
17	0	11	35.299	8.978	36.252	0.00	0.715
17	0	13	229.630	3.350	335.532	0.00	1.000
17	0	15	39.441	11.452	49.737	0.00	0.868
17	0	17	118.680	5.961	171.870	180.00	1.000
17	0	19	22.324	10.779	5.423	0.00	0.176
17	0	21	331.528	4.659	475.997	180.00	1.000
17	0	23	263.849	4.680	376.524	180.00	1.000
17	0	25	289.314	5.564	409.970	180.00	1.000
17	0	27	33.102	15.561	33.369	180.00	0.727
17	0	29	142.053	7.719	197.718	180.00	1.000
17	0	31	83.703	16.427	112.176	0.00	1.000
17	0	33	64.025	17.687	82.927	0.00	0.997
17	0	35	31.234	13.788	34.328	0.00	0.851
17	0	37	20.896	10.633	3.687	0.00	0.138
17	1	0	90.741	3.541	133.021	0.00	0.992
17	1	2	216.641	2.380	313.352	312.77	0.984
17	1	4	109.030	2.007	188.209	66.23	0.916
17	1	6	355.491	4.652	524.920	296.72	0.993
17	1	8	72.436	3.017	78.367	304.49	0.887
17	1	10	158.725	2.005	221.056	32.07	0.961
17	1	12	143.883	2.366	189.842	52.04	0.957
17	1	14	133.364	2.819	156.801	237.25	0.962
17	1	16	96.996	4.425	100.949	221.39	0.927
17	1	18	125.639	3.889	162.756	155.27	0.937
17	1	20	57.697	9.654	36.197	209.72	0.482
17	1	22	227.114	3.662	327.896	218.12	0.986
17	1	24	259.536	3.456	316.373	232.26	0.993
17	1	26	38.846	10.682	9.019	318.04	0.728
17	1	28	134.485	5.230	165.577	202.14	0.973
17	1	30	47.626	11.040	16.021	94.03	0.817
17	1	32	59.752	12.215	57.842	2.15	0.815
17	1	34	42.709	12.289	14.987	103.09	0.847
17	1	36	35.612	10.735	13.755	293.76	0.459
17	2	1	411.623	4.484	593.467	211.15	0.995
17	2	3	119.752	2.795	209.893	353.96	0.899
17	2	5	437.809	4.510	681.061	21.45	0.995
17	2	7	270.625	2.977	295.989	336.12	0.992
17	2	9	330.616	3.045	474.634	47.61	0.992
17	2	11	204.171	2.134	294.043	89.23	0.982
17	2	13	127.128	2.658	146.799	88.47	0.960
17	2	15	161.914	2.933	218.130	195.24	0.964
17	2	17	172.787	3.781	189.556	205.01	0.974
17	2	19	235.518	2.956	391.132	348.18	0.986
17	2	21	339.323	3.375	439.206	327.45	0.995
17	2	23	286.852	3.378	425.777	165.86	0.994
17	2	25	217.498	3.537	322.351	26.01	0.988
17	2	27	90.726	6.774	104.838	216.60	0.939
17	2	29	90.816	9.478	141.634	107.21	0.858
17	2	31	32.885	10.399	29.413	263.07	0.712
17	2	33	63.333	12.418	85.629	36.12	0.688
17	2	35	66.129	10.669	64.924	147.38	0.935
17	3	0	32.089	16.637	29.342	0.00	0.625
17	3	2	220.216	2.762	363.087	96.75	0.980
17	3	4	149.161	3.459	201.909	192.97	0.967
17	3	6	153.569	2.502	202.015	342.44	0.967
17	3	8	64.454	4.816	41.307	224.49	0.858
17	3	10	321.828	2.738	470.157	188.95	0.991

17	3	12	204.873	2.627	311.664	27.95	0.978
17	3	14	64.227	5.931	5.211	197.10	0.886
17	3	16	182.938	2.825	297.434	0.05	0.962
17	3	18	164.549	3.385	283.173	74.68	0.937
17	3	20	287.448	3.172	486.636	36.75	0.989
17	3	22	203.781	3.633	292.404	253.83	0.983
17	3	24	186.932	3.844	292.832	116.47	0.983
17	3	26	31.110	9.794	3.644	49.24	0.113
17	3	28	202.902	4.168	251.424	325.64	0.988
17	3	30	42.972	11.047	21.285	149.49	0.637
17	3	32	57.243	12.679	20.460	276.88	0.935
17	3	34	51.532	12.302	55.682	338.25	0.786
17	3	36	145.452	5.348	274.596	199.18	0.974
17	4	1	247.448	2.997	297.290	22.17	0.990
17	4	3	256.788	3.862	428.927	128.19	0.984
17	4	5	219.495	2.762	294.383	111.63	0.986
17	4	7	512.868	5.163	796.683	205.26	0.997
17	4	9	459.521	4.602	701.950	218.65	0.996
17	4	11	308.305	2.956	480.572	308.71	0.990
17	4	13	131.817	2.672	180.774	329.03	0.958
17	4	15	109.043	3.890	159.138	280.14	0.898
17	4	17	259.679	3.379	418.079	49.82	0.982
17	4	19	406.395	3.666	662.686	190.01	0.995
17	4	21	90.573	6.071	72.841	146.34	0.936
17	4	23	178.150	3.859	269.355	249.68	0.982
17	4	25	179.308	4.206	287.287	325.96	0.981
17	4	27	60.909	10.414	68.290	28.32	0.665
17	4	29	131.202	6.321	184.861	126.00	0.968
17	4	31	47.433	12.534	17.147	81.20	0.767
17	4	33	58.697	11.344	77.427	156.62	0.733
17	4	35	47.907	11.576	36.692	255.20	0.851
17	5	0	143.358	4.532	211.689	0.00	1.000
17	5	2	307.684	3.643	452.456	141.64	0.991
17	5	4	216.645	3.520	346.828	344.22	0.979
17	5	6	194.587	2.812	238.237	182.00	0.983
17	5	8	190.699	4.205	310.692	287.07	0.971
17	5	10	252.649	2.747	390.841	57.69	0.986
17	5	12	295.820	2.955	440.272	124.89	0.990
17	5	14	174.624	2.701	280.260	133.44	0.964
17	5	16	342.494	3.146	497.418	86.36	0.992
17	5	18	156.567	3.337	232.559	217.87	0.970
17	5	20	101.622	6.398	142.289	201.73	0.918
17	5	22	223.128	3.488	325.882	31.56	0.985
17	5	24	120.846	5.120	178.019	144.57	0.957
17	5	26	170.975	4.085	249.565	36.15	0.982
17	5	28	78.204	8.909	99.950	40.43	0.622
17	5	30	68.182	9.930	88.722	340.18	0.813
17	5	32	43.060	11.688	36.713	102.59	0.628
17	5	34	72.053	10.762	75.645	262.82	0.935
17	5	36	39.548	11.476	3.987	275.21	0.119
17	6	1	438.821	6.283	633.812	219.53	0.996
17	6	3	141.199	3.406	188.209	254.62	0.959
17	6	5	135.014	2.506	230.348	330.54	0.955
17	6	7	373.108	4.081	550.170	302.25	0.994
17	6	9	134.444	3.090	197.429	92.40	0.949
17	6	11	292.277	3.212	458.065	134.93	0.989
17	6	13	322.425	3.159	438.155	170.21	0.992
17	6	15	392.943	4.990	560.807	106.88	0.994
17	6	17	186.603	2.980	235.981	262.17	0.975
17	6	19	188.519	3.390	262.115	105.14	0.981
17	6	21	162.079	4.389	261.162	44.02	0.966
17	6	23	146.442	4.913	177.382	316.66	0.980
17	6	25	39.055	10.987	13.683	266.67	0.565
17	6	27	91.282	7.320	127.708	356.76	0.924
17	6	29	247.920	3.821	534.267	220.47	0.977
17	6	31	55.653	12.039	47.919	222.59	0.793
17	6	33	45.472	12.308	35.271	209.00	0.771
17	6	35	49.170	12.640	42.887	249.37	0.565
17	7	0	600.229	9.801	885.771	180.00	1.000
17	7	2	337.806	4.853	490.757	137.44	0.993
17	7	4	38.104	6.804	14.923	125.48	0.166
17	7	6	528.112	5.100	787.594	18.86	0.997
17	7	8	426.090	5.846	662.581	133.75	0.995
17	7	10	53.837	4.696	19.810	85.16	0.257
17	7	12	227.406	3.042	332.882	213.44	0.983
17	7	14	300.965	2.962	362.175	132.28	0.991
17	7	16	149.324	3.903	186.474	306.34	0.962

17	7	18	89.067	6.380	116.842	254.66	0.740
17	7	20	172.578	3.673	219.927	217.17	0.979
17	7	22	169.531	4.161	235.215	94.84	0.982
17	7	24	27.576	8.624	11.331	327.99	0.520
17	7	26	146.692	4.798	193.227	314.69	0.977
17	7	28	64.115	9.044	44.427	357.66	0.898
17	7	30	42.670	11.779	11.630	67.63	0.291
17	7	32	43.163	11.619	15.738	270.60	0.867
17	7	34	104.235	8.032	155.987	222.55	0.967
17	8	1	251.400	4.737	353.066	311.51	0.986
17	8	3	127.039	3.393	156.541	7.02	0.957
17	8	5	161.706	2.734	232.812	339.02	0.970
17	8	7	202.085	2.830	304.198	356.16	0.978
17	8	9	215.927	2.854	350.067	129.25	0.977
17	8	11	306.047	2.877	430.058	300.33	0.990
17	8	13	163.772	3.608	271.078	25.05	0.952
17	8	15	282.101	3.197	401.478	89.98	0.988
17	8	17	375.229	3.885	507.220	323.48	0.996
17	8	19	131.098	5.471	246.468	234.80	0.923
17	8	21	151.116	4.155	172.594	129.47	0.981
17	8	23	86.897	7.012	138.221	113.75	0.891
17	8	25	187.211	3.761	286.250	211.88	0.984
17	8	27	64.943	10.791	71.654	268.80	0.818
17	8	29	100.115	7.174	129.326	266.43	0.951
17	8	31	71.786	10.043	64.541	325.12	0.948
17	8	33	175.011	4.874	259.070	318.21	0.989
17	8	35	38.898	11.153	25.784	340.25	0.614
17	9	0	69.554	14.182	47.075	180.00	0.462
17	9	2	334.566	3.822	427.297	40.14	0.993
17	9	4	276.882	2.900	356.248	311.40	0.990
17	9	6	113.758	3.465	174.734	266.22	0.856
17	9	8	235.961	2.673	344.389	247.83	0.983
17	9	10	213.583	2.414	264.349	310.27	0.984
17	9	12	516.314	5.303	759.977	281.53	0.996
17	9	14	180.612	3.232	274.771	206.84	0.969
17	9	16	123.110	4.258	164.240	254.79	0.957
17	9	18	173.173	3.892	260.756	206.62	0.975
17	9	20	95.243	7.211	145.667	172.24	0.928
17	9	22	59.756	9.724	68.775	148.98	0.712
17	9	24	92.020	6.278	148.477	95.98	0.901
17	9	26	218.820	3.751	346.580	270.91	0.987
17	9	28	105.043	5.970	123.470	289.25	0.963
17	9	30	51.751	11.905	4.566	236.84	0.934
17	9	32	36.717	10.387	19.975	241.09	0.419
17	9	34	43.531	12.326	33.800	82.70	0.738
17	10	1	130.924	5.615	179.452	218.37	0.949
17	10	3	156.371	4.991	225.533	281.34	0.964
17	10	5	64.300	4.553	62.614	334.92	0.700
17	10	7	138.622	3.446	205.629	345.18	0.945
17	10	9	159.350	3.235	192.741	317.79	0.968
17	10	11	215.619	2.530	309.097	204.51	0.977
17	10	13	188.245	3.802	320.098	272.75	0.958
17	10	15	182.212	3.624	227.028	207.48	0.981
17	10	17	304.670	3.556	418.442	227.93	0.993
17	10	19	128.834	4.789	218.900	285.32	0.940
17	10	21	83.704	7.971	28.640	28.16	0.217
17	10	23	211.154	3.807	415.585	187.71	0.980
17	10	25	94.823	6.989	145.455	9.27	0.919
17	10	27	138.398	4.805	221.074	0.10	0.971
17	10	29	141.998	4.875	197.984	60.32	0.976
17	10	31	31.932	10.309	1.686	337.15	0.702
17	10	33	46.804	11.550	41.356	202.72	0.779
17	11	0	97.634	5.283	108.376	0.00	0.754
17	11	2	76.116	4.045	51.707	307.36	0.894
17	11	4	79.253	3.545	108.790	108.18	0.834
17	11	6	110.834	3.541	125.522	46.86	0.943
17	11	8	221.469	2.957	319.119	100.11	0.981
17	11	10	66.079	6.771	49.874	70.91	0.444
17	11	12	212.811	2.975	316.385	349.58	0.981
17	11	14	266.147	3.385	388.859	330.29	0.990
17	11	16	100.297	7.072	118.367	60.86	0.930
17	11	18	163.897	4.335	166.092	326.66	0.982
17	11	20	255.853	3.344	458.752	27.89	0.989
17	11	22	61.448	9.401	58.142	117.55	0.856
17	11	24	82.355	9.055	96.729	283.14	0.554
17	11	26	60.501	10.883	61.153	272.72	0.865
17	11	28	84.492	9.352	108.907	301.81	0.926

17	11	30	32.641	10.287	10.996	59.16	0.488
17	11	32	103.570	6.753	168.252	29.16	0.964
17	11	34	42.821	11.690	31.322	161.40	0.584
17	12	1	166.237	2.539	255.266	259.60	0.962
17	12	3	324.890	3.135	495.559	132.00	0.991
17	12	5	362.935	3.177	505.753	107.91	0.993
17	12	7	123.362	4.312	118.170	200.05	0.948
17	12	9	291.737	3.322	443.755	175.48	0.988
17	12	11	34.161	9.539	23.899	141.63	0.282
17	12	13	224.029	3.337	330.640	45.47	0.986
17	12	15	288.605	3.151	389.359	349.18	0.992
17	12	17	100.496	6.658	146.631	91.89	0.914
17	12	19	158.701	3.519	241.771	67.23	0.978
17	12	21	307.304	3.538	422.205	124.04	0.995
17	12	23	79.278	9.241	103.054	74.45	0.899
17	12	25	38.870	11.434	5.409	101.11	0.487
17	12	27	29.786	9.378	56.249	162.51	0.778
17	12	29	38.898	11.037	25.961	196.89	0.678
17	12	31	30.280	9.660	8.845	280.49	0.725
17	12	33	35.757	10.526	18.438	317.70	0.547
17	13	0	520.080	8.821	766.577	180.00	1.000
17	13	2	159.470	2.702	241.331	131.63	0.960
17	13	4	111.077	3.279	165.718	197.61	0.915
17	13	6	132.397	3.644	184.847	130.65	0.944
17	13	8	142.283	3.962	222.658	255.50	0.936
17	13	10	216.001	3.946	272.117	136.05	0.987
17	13	12	174.362	3.521	171.431	246.74	0.983
17	13	14	33.806	9.947	6.897	320.57	0.336
17	13	16	77.645	6.249	88.647	276.68	0.918
17	13	18	88.176	6.831	101.254	211.39	0.940
17	13	20	181.604	3.644	305.770	339.24	0.981
17	13	22	223.823	3.889	314.570	149.11	0.990
17	13	24	75.704	8.307	33.298	196.21	0.944
17	13	26	115.291	6.899	145.412	4.91	0.968
17	13	28	66.887	11.970	103.616	217.90	0.770
17	13	30	62.231	11.446	61.229	87.01	0.909
17	13	32	38.089	10.695	3.145	56.51	0.082
17	14	1	236.894	2.888	416.643	14.09	0.977
17	14	3	93.428	3.809	120.693	76.21	0.631
17	14	5	214.770	2.773	259.341	111.30	0.982
17	14	7	59.769	7.835	50.696	84.00	0.787
17	14	9	262.456	3.428	357.656	359.38	0.991
17	14	11	114.593	5.706	174.153	348.68	0.937
17	14	13	102.784	6.145	160.606	134.20	0.910
17	14	15	99.498	6.473	117.511	100.83	0.954
17	14	17	259.134	3.276	393.326	283.25	0.992
17	14	19	188.277	3.574	337.779	8.89	0.980
17	14	21	37.227	10.943	2.239	180.51	0.063
17	14	23	58.693	11.375	52.623	329.06	0.528
17	14	25	187.188	3.783	324.531	303.00	0.983
17	14	27	47.237	11.151	50.342	238.39	0.638
17	14	29	67.241	12.016	44.819	282.19	0.311
17	14	31	38.644	11.661	17.805	228.62	0.379
17	15	0	177.290	5.827	261.256	180.00	1.000
17	15	2	380.131	3.823	579.452	221.10	0.995
17	15	4	131.663	3.747	182.034	34.08	0.961
17	15	6	71.887	8.385	87.041	154.18	0.829
17	15	8	250.441	3.523	331.758	21.86	0.991
17	15	10	233.023	3.645	384.883	292.28	0.985
17	15	12	50.520	10.746	31.251	123.54	0.393
17	15	14	127.016	4.795	147.308	263.00	0.975
17	15	16	67.720	8.138	49.926	17.07	0.913
17	15	18	146.919	4.564	241.180	17.48	0.972
17	15	20	160.590	4.257	295.510	286.66	0.969
17	15	22	39.145	10.976	10.124	142.67	0.391
17	15	24	40.556	11.480	17.950	153.00	0.334
17	15	26	81.832	8.782	78.294	270.46	0.963
17	15	28	90.256	7.679	138.519	143.20	0.951
17	15	30	45.200	11.673	30.991	321.62	0.852
17	16	1	142.014	4.275	176.333	149.30	0.971
17	16	3	56.859	9.417	37.401	252.75	0.771
17	16	5	126.126	4.750	141.210	4.38	0.964
17	16	7	133.990	5.499	199.653	315.29	0.959
17	16	9	53.442	10.963	28.292	249.51	0.729
17	16	11	87.152	7.321	127.754	324.21	0.916
17	16	13	68.685	8.426	95.595	202.74	0.851
17	16	15	51.939	10.451	29.476	9.23	0.323

17	16	17	55.215	11.569	24.206	217.39	0.867
17	16	19	31.987	9.345	19.774	127.08	0.676
17	16	21	136.354	4.675	253.968	185.01	0.962
17	16	23	34.306	10.943	3.590	87.23	0.607
17	16	25	30.331	9.259	19.718	292.90	0.826
17	16	27	30.290	9.909	2.276	105.78	0.655
17	16	29	51.706	11.267	60.204	359.30	0.820
17	17	0	32.108	13.161	19.063	0.00	0.410
17	17	2	155.295	3.604	168.794	293.03	0.980
17	17	4	33.893	9.799	14.880	223.66	0.289
17	17	6	151.999	4.233	170.499	347.55	0.977
17	17	8	138.482	5.491	140.824	328.91	0.980
17	17	10	252.332	3.871	334.558	15.67	0.993
17	17	12	170.025	4.403	264.168	256.55	0.980
17	17	14	133.114	5.481	235.432	70.15	0.958
17	17	16	192.457	3.881	259.480	69.86	0.987
17	17	18	66.298	10.091	89.079	55.05	0.817
17	17	20	56.915	12.214	37.165	158.87	0.877
17	17	22	100.239	6.535	154.313	120.98	0.942
17	17	24	39.612	12.310	17.783	104.73	0.810
17	17	26	38.799	11.679	14.762	62.14	0.810
17	17	28	35.490	10.651	15.486	42.50	0.462
17	18	1	249.257	3.758	392.842	256.41	0.992
17	18	3	144.641	4.607	206.827	304.98	0.976
17	18	5	204.460	3.391	326.011	15.43	0.987
17	18	7	126.170	5.568	212.483	57.14	0.959
17	18	9	209.479	3.679	300.772	162.21	0.989
17	18	11	48.294	11.466	25.799	333.57	0.765
17	18	13	174.764	4.557	308.814	306.96	0.977
17	18	15	96.841	8.402	123.646	29.16	0.945
17	18	17	38.017	9.778	17.154	303.62	0.326
17	18	19	59.680	13.799	65.289	263.89	0.778
17	18	21	56.255	11.568	20.927	244.05	0.891
17	18	23	103.086	5.859	177.844	140.67	0.961
17	18	25	49.475	11.904	52.864	77.54	0.739
17	18	27	94.043	9.803	174.009	95.55	0.910
17	19	0	33.207	14.541	34.648	180.00	0.720
17	19	2	38.201	10.781	2.912	208.25	0.151
17	19	4	169.367	3.798	299.836	112.86	0.976
17	19	6	210.894	3.463	287.934	198.90	0.990
17	19	8	112.973	6.606	150.725	103.62	0.961
17	19	10	116.305	7.244	111.704	133.55	0.972
17	19	12	111.464	6.071	162.932	233.62	0.957
17	19	14	52.707	10.509	32.223	174.17	0.364
17	19	16	171.500	4.521	228.964	163.85	0.984
17	19	18	127.965	5.215	172.783	161.30	0.974
17	19	20	90.280	8.773	97.064	297.47	0.951
17	19	22	51.795	11.436	30.678	175.67	0.910
17	19	24	78.443	9.419	110.611	163.93	0.941
17	19	26	47.870	10.978	21.636	334.99	0.901
17	20	1	84.950	8.805	148.511	294.68	0.844
17	20	3	74.923	7.628	81.204	51.71	0.917
17	20	5	83.105	7.353	63.750	81.89	0.946
17	20	7	100.688	5.992	133.652	277.25	0.952
17	20	9	45.567	11.494	20.602	355.65	0.756
17	20	11	67.098	12.373	67.650	224.72	0.886
17	20	13	113.728	7.404	182.182	217.23	0.952
17	20	15	63.460	10.346	87.305	163.38	0.802
17	20	17	67.619	10.585	100.109	67.45	0.764
17	20	19	90.203	7.339	93.199	143.52	0.952
17	20	21	94.680	8.132	156.693	256.64	0.955
17	20	23	60.395	13.930	78.634	135.78	0.746
17	20	25	30.608	9.696	6.488	294.41	0.788
17	21	0	23.918	11.652	4.512	180.00	0.130
17	21	2	111.560	6.227	189.660	332.35	0.947
17	21	4	164.271	4.177	252.140	99.87	0.981
17	21	6	74.277	9.020	116.772	318.04	0.792
17	21	8	106.748	6.237	99.355	242.20	0.968
17	21	10	87.485	7.761	139.989	249.55	0.900
17	21	12	108.277	8.735	125.346	120.84	0.967
17	21	14	96.808	9.153	161.248	117.73	0.927
17	21	16	104.531	6.183	174.534	58.95	0.942
17	21	18	125.160	6.198	232.991	211.70	0.973
17	21	20	94.164	6.610	120.268	332.40	0.969
17	21	22	48.623	9.677	59.141	261.99	0.784
17	21	24	67.570	10.907	95.867	59.46	0.901
17	22	1	104.036	6.882	124.847	172.00	0.959

17	22	3	49.523	11.273	17.328	153.76	0.835
17	22	5	109.232	5.816	150.890	163.30	0.959
17	22	7	170.928	3.985	232.290	249.12	0.984
17	22	9	45.004	10.583	1.706	154.49	0.864
17	22	11	156.669	5.326	240.303	137.93	0.981
17	22	13	148.923	5.623	203.834	252.11	0.981
17	22	15	119.041	5.921	263.185	24.97	0.943
17	22	17	32.666	10.012	14.862	154.52	0.523
17	22	19	91.338	8.156	162.090	124.19	0.941
17	22	21	38.564	11.265	26.508	11.06	0.578
17	22	23	72.200	11.411	84.550	290.40	0.936
17	23	0	122.161	7.701	19.984	0.00	0.112
17	23	2	53.292	10.360	33.065	245.66	0.320
17	23	4	157.003	4.322	227.075	19.06	0.983
17	23	6	65.660	9.327	65.228	83.68	0.909
17	23	8	79.912	8.283	101.900	335.71	0.931
17	23	10	49.692	11.375	41.425	254.16	0.583
17	23	12	78.180	10.421	112.853	279.56	0.895
17	23	14	111.397	7.061	193.281	303.84	0.970
17	23	16	82.094	9.402	135.611	230.27	0.935
17	23	18	90.507	7.707	176.857	80.14	0.924
17	23	20	42.600	11.804	15.925	300.14	0.248
17	24	1	110.818	6.485	173.583	150.18	0.961
17	24	3	62.341	10.023	83.916	321.80	0.798
17	24	5	28.096	9.119	14.703	336.00	0.425
17	24	7	38.174	10.686	7.336	307.77	0.747
17	24	9	77.979	7.352	112.374	81.50	0.949
17	24	11	40.759	11.263	24.533	175.54	0.838
17	24	13	43.466	11.375	27.228	286.66	0.847
17	24	15	30.025	9.618	1.937	292.22	0.112
17	24	17	37.736	10.453	12.290	168.92	0.285
17	24	19	40.810	11.841	33.394	300.45	0.686
17	25	0	58.655	15.783	80.558	180.00	0.979
17	25	2	40.052	12.194	32.498	141.03	0.735
17	25	4	34.110	10.517	19.377	73.24	0.614
17	25	6	112.087	5.708	194.482	238.22	0.972
17	25	8	31.422	9.864	12.322	221.64	0.425
17	25	10	98.903	5.927	170.152	138.63	0.961
17	25	12	47.123	10.762	51.724	221.08	0.772
17	25	14	33.489	10.678	13.161	313.56	0.612
17	25	16	36.860	11.796	18.376	154.54	0.361
17	26	1	47.079	11.555	50.444	53.64	0.613
17	26	3	142.325	4.752	226.128	58.36	0.985
17	26	5	37.017	10.644	23.899	234.38	0.738
17	26	7	53.798	11.194	65.231	73.30	0.866
17	26	9	59.606	10.108	85.822	128.79	0.882
17	26	11	43.097	11.539	27.186	9.30	0.362
17	26	13	56.127	11.954	72.420	350.45	0.862
17	26	15	31.202	10.030	9.460	15.66	0.553
17	27	0	32.066	13.972	34.440	180.00	0.778
17	27	2	80.599	12.431	131.545	355.28	0.922
17	27	4	37.349	11.135	22.985	266.45	0.772
17	27	6	83.631	7.722	148.857	143.67	0.938
17	27	8	31.751	9.880	14.921	55.12	0.586
17	27	10	44.021	11.449	33.087	69.88	0.842
17	28	1	47.159	11.774	54.787	114.98	0.731
17	28	3	50.565	10.447	27.785	340.84	0.917
17	28	5	53.128	11.037	71.776	319.89	0.764
17	28	7	31.047	10.161	3.904	168.96	0.339
18	0	2	48.006	9.881	9.318	180.00	0.131
18	0	4	179.786	3.438	267.252	180.00	1.000
18	0	6	298.544	6.853	442.938	0.00	1.000
18	0	8	393.069	5.162	582.399	0.00	1.000
18	0	10	131.991	3.114	195.133	0.00	1.000
18	0	12	21.144	9.486	8.753	180.00	0.292
18	0	14	433.493	4.855	636.784	180.00	1.000
18	0	16	58.473	13.382	48.205	0.00	0.566
18	0	18	72.291	11.310	101.992	0.00	0.973
18	0	20	50.883	14.317	72.701	180.00	0.993
18	0	22	29.181	13.082	1.391	180.00	0.033
18	0	24	61.480	15.722	65.637	180.00	0.757
18	0	26	48.188	15.854	63.384	180.00	0.942
18	0	28	29.961	13.556	35.707	0.00	0.859
18	0	30	36.757	14.428	49.329	0.00	0.988
18	0	32	119.458	15.277	158.205	0.00	1.000
18	0	34	29.170	14.304	16.712	0.00	0.442
18	1	1	131.562	2.328	113.465	212.83	0.967

18	1	3	242.481	2.441	362.414	51.88	0.987
18	1	5	273.060	2.691	416.103	142.23	0.988
18	1	7	571.794	5.840	828.894	44.14	0.997
18	1	9	133.380	2.775	200.449	280.67	0.962
18	1	11	239.046	2.251	374.296	233.30	0.982
18	1	13	271.532	2.753	422.129	229.43	0.986
18	1	15	254.814	2.667	387.530	233.80	0.985
18	1	17	146.305	3.649	228.481	297.42	0.964
18	1	19	371.665	3.592	541.860	228.76	0.995
18	1	21	53.242	9.913	37.120	291.11	0.450
18	1	23	162.525	4.080	269.334	244.95	0.976
18	1	25	53.038	10.581	47.022	222.54	0.749
18	1	27	117.498	5.007	155.632	272.93	0.964
18	1	29	33.589	10.385	25.401	213.20	0.768
18	1	31	45.253	11.526	36.539	73.06	0.827
18	1	33	44.295	11.469	19.335	34.58	0.865
18	1	35	47.925	11.722	49.526	53.67	0.695
18	2	0	323.758	6.998	481.474	0.00	1.000
18	2	2	161.532	2.660	198.719	31.19	0.975
18	2	4	199.044	2.188	313.365	220.91	0.977
18	2	6	122.760	3.315	98.658	60.06	0.963
18	2	8	317.355	3.412	496.289	135.05	0.991
18	2	10	282.838	2.651	417.798	69.19	0.988
18	2	12	52.274	5.857	22.665	61.61	0.758
18	2	14	233.675	2.575	331.831	40.89	0.982
18	2	16	89.991	5.522	130.393	297.85	0.799
18	2	18	265.005	3.045	409.553	243.79	0.989
18	2	20	322.116	4.040	422.786	239.90	0.994
18	2	22	112.199	5.540	118.337	303.48	0.966
18	2	24	49.697	11.636	7.144	290.00	0.853
18	2	26	212.547	4.025	311.951	242.15	0.988
18	2	28	45.741	11.784	23.694	214.30	0.385
18	2	30	152.876	5.629	236.962	128.79	0.977
18	2	32	31.274	9.655	11.745	203.02	0.512
18	2	34	36.668	11.155	14.941	275.87	0.388
18	3	1	293.102	3.362	465.379	27.93	0.989
18	3	3	283.537	3.394	431.769	117.07	0.990
18	3	5	67.425	3.890	41.736	75.31	0.653
18	3	7	159.661	2.530	259.600	124.56	0.957
18	3	9	139.680	2.837	202.405	240.68	0.963
18	3	11	324.439	4.793	444.561	282.24	0.992
18	3	13	288.705	2.949	456.750	23.32	0.987
18	3	15	250.508	2.635	363.111	288.50	0.986
18	3	17	301.544	3.277	519.145	52.06	0.991
18	3	19	49.240	10.003	30.891	178.82	0.619
18	3	21	353.158	3.520	521.940	289.89	0.996
18	3	23	130.407	4.907	246.092	103.20	0.947
18	3	25	73.510	8.182	96.486	265.88	0.869
18	3	27	75.194	9.523	74.691	349.93	0.922
18	3	29	98.403	7.171	143.689	218.83	0.940
18	3	31	34.420	10.784	3.546	333.19	0.768
18	3	33	101.470	7.910	164.867	254.80	0.958
18	3	35	114.563	6.946	173.795	265.91	0.972
18	4	0	181.748	5.494	270.252	180.00	1.000
18	4	2	324.832	3.677	457.827	196.09	0.992
18	4	4	255.822	4.695	445.627	221.26	0.983
18	4	6	154.900	2.497	213.803	245.75	0.971
18	4	8	327.517	3.693	426.707	271.70	0.993
18	4	10	231.155	2.885	257.037	225.94	0.986
18	4	12	53.989	5.925	32.813	212.98	0.612
18	4	14	179.359	2.700	238.437	233.04	0.972
18	4	16	115.782	3.798	97.911	33.84	0.970
18	4	18	164.726	3.371	197.381	158.14	0.979
18	4	20	171.889	3.297	220.901	305.31	0.979
18	4	22	138.043	4.804	189.233	239.49	0.974
18	4	24	163.697	4.034	302.803	165.76	0.969
18	4	26	102.804	5.820	97.745	120.75	0.962
18	4	28	70.047	10.509	60.538	167.71	0.917
18	4	30	61.201	12.299	63.364	6.28	0.841
18	4	32	101.545	8.324	187.847	134.80	0.932
18	4	34	32.849	10.463	5.806	317.69	0.704
18	5	1	432.671	4.714	624.136	193.46	0.996
18	5	3	182.179	3.616	277.429	256.69	0.974
18	5	5	204.735	3.259	278.896	185.30	0.984
18	5	7	99.145	3.213	112.824	316.32	0.938
18	5	9	205.803	3.130	339.741	348.32	0.970
18	5	11	84.686	3.956	109.196	138.80	0.766

18	5	13	137.761	2.897	179.879	273.44	0.954
18	5	15	102.974	4.693	134.789	66.28	0.937
18	5	17	184.353	3.357	285.952	241.21	0.978
18	5	19	67.720	8.966	86.528	284.50	0.790
18	5	21	158.347	4.280	234.723	204.08	0.978
18	5	23	136.981	4.609	270.843	103.11	0.947
18	5	25	146.037	4.706	198.266	256.88	0.977
18	5	27	112.004	5.664	139.277	198.86	0.965
18	5	29	45.183	11.411	22.601	158.82	0.519
18	5	31	61.622	11.294	66.469	58.93	0.912
18	5	33	38.608	11.656	11.506	278.38	0.300
18	5	35	29.138	9.597	5.475	110.69	0.418
18	6	0	16.622	11.399	16.885	0.00	0.745
18	6	2	153.941	3.273	305.508	319.57	0.863
18	6	4	302.815	3.732	363.738	314.70	0.992
18	6	6	260.457	2.824	407.647	57.45	0.986
18	6	8	245.512	4.112	282.671	112.33	0.987
18	6	10	275.522	3.214	362.714	217.96	0.989
18	6	12	96.624	4.515	31.243	34.00	0.944
18	6	14	166.845	3.084	239.436	207.63	0.969
18	6	16	92.820	5.422	120.733	289.48	0.908
18	6	18	86.680	7.410	126.753	207.35	0.875
18	6	20	54.986	10.323	48.865	139.14	0.807
18	6	22	248.495	3.325	388.192	344.73	0.991
18	6	24	51.912	11.052	34.361	99.06	0.723
18	6	26	45.031	10.665	13.396	265.51	0.793
18	6	28	99.672	7.127	134.768	341.61	0.949
18	6	30	75.079	11.023	99.742	217.11	0.936
18	6	32	39.676	11.036	22.652	44.00	0.446
18	6	34	54.875	11.633	48.902	298.05	0.885
18	7	1	396.726	5.985	580.741	12.12	0.995
18	7	3	292.497	4.390	464.369	59.79	0.989
18	7	5	310.471	3.541	478.952	63.83	0.990
18	7	7	197.856	2.797	263.310	113.04	0.978
18	7	9	331.311	3.795	537.509	152.47	0.990
18	7	11	205.622	2.504	262.674	281.06	0.982
18	7	13	316.139	4.014	442.993	59.48	0.991
18	7	15	252.216	2.952	375.994	172.29	0.989
18	7	17	174.449	3.884	270.583	268.32	0.975
18	7	19	167.962	3.903	230.410	143.20	0.983
18	7	21	124.697	4.835	126.558	40.77	0.975
18	7	23	33.139	10.116	23.593	23.50	0.616
18	7	25	144.765	5.182	202.072	74.72	0.976
18	7	27	168.784	4.311	375.911	167.80	0.922
18	7	29	67.147	10.624	91.038	171.86	0.822
18	7	31	127.165	5.517	210.131	224.87	0.976
18	7	33	34.151	10.912	11.636	215.96	0.688
18	8	0	115.013	7.856	170.860	180.00	1.000
18	8	2	328.485	4.084	488.264	65.50	0.991
18	8	4	474.024	5.034	687.701	99.80	0.996
18	8	6	348.125	3.592	502.467	225.79	0.992
18	8	8	323.515	3.776	586.872	251.62	0.988
18	8	10	336.349	3.763	481.503	306.85	0.992
18	8	12	279.602	3.270	405.038	274.32	0.987
18	8	14	279.103	3.670	487.687	337.46	0.988
18	8	16	182.578	4.010	259.874	25.73	0.980
18	8	18	212.203	4.230	317.677	329.11	0.984
18	8	20	193.628	3.781	331.402	156.91	0.982
18	8	22	54.074	10.725	48.722	94.86	0.612
18	8	24	90.117	7.485	83.551	104.87	0.948
18	8	26	109.134	6.315	154.518	107.04	0.960
18	8	28	54.618	11.355	47.907	85.67	0.499
18	8	30	66.026	9.912	90.666	31.70	0.908
18	8	32	125.677	6.272	163.571	309.58	0.983
18	8	34	27.433	9.102	4.484	284.85	0.407
18	9	1	245.252	4.799	347.775	80.39	0.985
18	9	3	257.095	3.986	431.205	195.10	0.983
18	9	5	284.657	3.391	422.221	123.28	0.988
18	9	7	140.785	3.904	199.239	246.37	0.951
18	9	9	34.517	9.105	22.890	149.25	0.220
18	9	11	360.270	3.452	630.630	328.68	0.991
18	9	13	225.634	3.382	294.227	220.32	0.988
18	9	15	344.840	3.973	537.458	68.49	0.994
18	9	17	97.116	6.638	128.974	257.55	0.934
18	9	19	73.955	8.301	48.332	342.82	0.935
18	9	21	90.486	7.515	64.129	151.70	0.956
18	9	23	153.454	4.358	203.508	279.37	0.979

18	9	25	141.456	4.596	228.211	201.94	0.969
18	9	27	157.954	4.344	359.125	254.21	0.912
18	9	29	46.617	11.796	48.433	53.93	0.757
18	9	31	79.141	9.816	82.998	47.30	0.955
18	9	33	123.452	5.476	251.293	46.20	0.950
18	10	0	95.781	7.684	77.806	180.00	0.547
18	10	2	139.926	4.289	205.288	35.22	0.949
18	10	4	51.225	10.470	3.481	114.13	0.624
18	10	6	386.494	3.900	522.538	182.92	0.994
18	10	8	182.850	3.226	234.986	91.04	0.976
18	10	10	76.832	6.486	88.994	87.25	0.890
18	10	12	99.610	5.090	133.221	316.98	0.923
18	10	14	307.521	3.522	441.804	109.17	0.993
18	10	16	61.466	10.129	40.957	61.48	0.832
18	10	18	144.147	4.049	257.262	160.40	0.967
18	10	20	43.752	11.447	6.701	21.53	0.741
18	10	22	45.554	12.075	15.043	150.30	0.252
18	10	24	64.558	9.044	73.202	294.37	0.855
18	10	26	121.014	5.976	164.813	316.98	0.970
18	10	28	39.385	11.068	17.632	245.12	0.827
18	10	30	87.842	7.403	134.097	31.51	0.949
18	10	32	105.676	6.286	195.679	198.94	0.951
18	11	1	138.768	2.972	173.559	36.23	0.964
18	11	3	252.169	3.618	359.288	286.05	0.985
18	11	5	165.876	3.664	227.317	226.16	0.966
18	11	7	222.373	3.126	370.398	110.70	0.975
18	11	9	37.417	10.337	2.790	223.21	0.379
18	11	11	111.905	4.966	157.842	239.27	0.943
18	11	13	59.606	9.159	20.507	250.48	0.867
18	11	15	151.623	3.899	254.638	249.62	0.962
18	11	17	236.740	3.824	388.651	6.91	0.990
18	11	19	150.332	4.763	182.645	97.43	0.981
18	11	21	63.489	9.463	68.190	44.11	0.850
18	11	23	72.293	10.001	89.787	29.25	0.884
18	11	25	133.777	4.810	215.785	356.41	0.970
18	11	27	59.880	10.344	57.779	9.94	0.503
18	11	29	61.731	10.796	82.376	355.68	0.871
18	11	31	106.501	7.194	187.285	294.95	0.956
18	12	0	86.867	10.852	29.945	0.00	0.232
18	12	2	346.460	3.463	487.997	332.83	0.993
18	12	4	181.384	2.642	317.716	202.55	0.939
18	12	6	43.573	9.258	5.082	6.51	0.634
18	12	8	206.568	3.553	297.041	46.59	0.986
18	12	10	170.159	4.055	240.015	89.19	0.978
18	12	12	57.070	8.974	42.960	116.46	0.492
18	12	14	85.394	6.854	108.888	348.98	0.935
18	12	16	61.731	8.966	75.949	39.92	0.720
18	12	18	151.060	4.192	267.052	153.38	0.970
18	12	20	101.259	5.665	107.919	300.09	0.960
18	12	22	65.212	10.575	45.591	89.00	0.898
18	12	24	54.250	11.705	47.934	176.50	0.819
18	12	26	99.086	7.006	179.256	116.86	0.912
18	12	28	38.047	11.104	22.541	313.37	0.574
18	12	30	30.927	9.963	5.795	57.33	0.203
18	12	32	27.441	9.406	1.960	267.59	0.102
18	13	1	312.894	3.364	391.915	346.90	0.994
18	13	3	124.495	3.737	254.295	25.79	0.816
18	13	5	94.543	4.588	107.564	90.94	0.926
18	13	7	216.825	3.509	335.003	281.48	0.985
18	13	9	264.427	3.708	388.648	323.25	0.991
18	13	11	216.214	4.013	318.211	34.62	0.986
18	13	13	86.497	6.553	151.429	187.11	0.804
18	13	15	173.621	4.144	339.380	192.55	0.974
18	13	17	49.921	9.739	40.025	278.47	0.575
18	13	19	163.935	4.111	267.019	324.93	0.979
18	13	21	219.278	3.606	330.607	112.27	0.989
18	13	23	95.698	8.255	43.425	155.67	0.971
18	13	25	81.639	9.646	134.748	170.05	0.860
18	13	27	48.260	10.402	53.224	66.38	0.687
18	13	29	32.761	10.107	14.979	31.14	0.519
18	13	31	29.769	9.627	4.868	350.76	0.122
18	14	0	312.711	4.484	464.507	180.00	1.000
18	14	2	147.233	4.625	273.691	266.19	0.957
18	14	4	93.986	4.871	71.539	268.05	0.952
18	14	6	107.334	5.211	179.505	287.87	0.914
18	14	8	177.398	3.779	233.744	305.32	0.980
18	14	10	118.569	4.981	193.442	4.01	0.934

18	14	12	108.700	6.131	114.781	182.36	0.966
18	14	14	166.916	3.567	260.035	249.29	0.981
18	14	16	59.449	10.187	28.427	265.97	0.899
18	14	18	123.480	4.520	171.480	157.89	0.967
18	14	20	160.106	3.878	237.232	179.01	0.979
18	14	22	36.211	11.103	16.347	147.61	0.538
18	14	24	99.990	6.728	88.116	127.97	0.966
18	14	26	62.665	10.354	86.509	325.50	0.894
18	14	28	61.174	11.044	75.170	244.34	0.907
18	14	30	34.490	10.492	1.399	339.12	0.033
18	15	1	193.513	3.430	362.944	244.15	0.971
18	15	3	207.335	3.690	296.904	239.52	0.985
18	15	5	135.200	3.857	222.494	218.42	0.957
18	15	7	44.965	10.058	18.551	297.48	0.297
18	15	9	121.299	4.789	151.804	229.09	0.970
18	15	11	41.690	11.164	12.720	292.89	0.512
18	15	13	139.054	4.001	243.272	172.39	0.966
18	15	15	99.130	6.280	105.756	6.40	0.958
18	15	17	52.834	11.146	50.718	226.18	0.619
18	15	19	170.865	3.514	258.434	257.93	0.982
18	15	21	75.897	8.219	118.536	239.75	0.734
18	15	23	87.369	8.451	94.295	22.89	0.949
18	15	25	50.045	11.556	28.375	217.70	0.897
18	15	27	74.584	8.468	98.572	251.80	0.945
18	15	29	40.590	11.802	27.389	303.59	0.712
18	16	0	198.853	6.930	294.813	0.00	1.000
18	16	2	127.811	4.610	269.629	285.62	0.926
18	16	4	73.375	7.183	50.641	330.29	0.360
18	16	6	168.558	3.409	267.137	177.99	0.981
18	16	8	79.790	7.853	109.774	9.17	0.912
18	16	10	105.359	6.238	130.502	60.37	0.960
18	16	12	58.347	10.613	45.932	263.30	0.859
18	16	14	117.495	6.434	165.886	58.73	0.964
18	16	16	65.867	10.436	53.949	52.47	0.896
18	16	18	90.728	7.183	106.705	9.19	0.941
18	16	20	185.555	3.962	293.236	308.18	0.986
18	16	22	118.283	5.307	195.150	216.21	0.959
18	16	24	35.168	10.815	10.735	355.57	0.756
18	16	26	32.718	10.770	13.280	139.14	0.666
18	16	28	67.561	11.582	100.800	33.09	0.770
18	17	1	127.081	4.367	172.654	223.84	0.971
18	17	3	203.363	4.190	344.206	12.37	0.986
18	17	5	76.616	8.575	127.805	309.20	0.832
18	17	7	51.859	10.905	53.569	76.29	0.736
18	17	9	62.849	10.015	76.690	341.73	0.830
18	17	11	117.340	5.848	178.663	197.38	0.961
18	17	13	49.588	12.178	32.982	14.25	0.718
18	17	15	85.952	9.233	100.953	83.07	0.935
18	17	17	45.107	11.229	32.054	69.66	0.478
18	17	19	114.029	6.914	166.544	195.64	0.963
18	17	21	52.749	12.099	18.673	12.45	0.878
18	17	23	44.038	11.395	42.941	180.50	0.634
18	17	25	45.126	12.604	40.473	296.09	0.663
18	17	27	53.991	11.186	56.859	76.32	0.880
18	18	0	150.467	8.052	222.525	180.00	1.000
18	18	2	39.271	10.916	14.127	6.12	0.293
18	18	4	95.261	6.248	85.393	101.52	0.960
18	18	6	110.562	5.755	197.893	263.55	0.936
18	18	8	191.392	4.265	275.623	28.74	0.987
18	18	10	127.896	6.089	179.084	342.01	0.971
18	18	12	218.064	3.614	385.616	292.79	0.986
18	18	14	160.457	4.450	281.423	231.31	0.976
18	18	16	112.480	5.740	152.845	91.30	0.966
18	18	18	204.035	4.175	280.166	252.47	0.990
18	18	20	63.889	11.868	80.850	139.45	0.912
18	18	22	65.557	11.802	84.951	31.73	0.906
18	18	24	29.065	9.269	6.779	213.37	0.543
18	18	26	31.547	10.094	6.422	79.62	0.419
18	19	1	156.572	4.764	306.848	157.52	0.966
18	19	3	74.748	7.951	105.960	105.59	0.886
18	19	5	123.569	4.868	108.273	171.96	0.978
18	19	7	81.422	6.872	43.405	174.38	0.953
18	19	9	111.470	6.083	134.051	86.75	0.967
18	19	11	66.774	10.129	71.958	129.75	0.870
18	19	13	50.788	10.924	27.769	260.57	0.866
18	19	15	87.355	6.910	157.674	26.68	0.879
18	19	17	76.267	9.081	55.564	354.84	0.946

18	19	19	36.799	11.158	18.097	233.46	0.744
18	19	21	75.013	11.025	121.728	216.39	0.906
18	19	23	31.120	10.202	12.963	114.66	0.408
18	19	25	76.683	8.993	133.071	260.30	0.892
18	20	0	58.977	18.572	73.789	0.00	0.868
18	20	2	142.705	4.698	208.930	61.89	0.976
18	20	4	45.106	10.024	6.667	239.96	0.827
18	20	6	191.930	3.691	294.277	171.62	0.986
18	20	8	214.939	4.361	292.726	173.30	0.990
18	20	10	51.720	11.653	49.835	126.85	0.657
18	20	12	48.079	11.249	20.774	144.61	0.838
18	20	14	64.529	10.491	81.872	182.21	0.834
18	20	16	36.270	10.710	5.615	161.78	0.682
18	20	18	64.561	9.011	97.757	285.66	0.694
18	20	20	38.528	11.226	27.833	290.25	0.640
18	20	22	44.290	11.512	35.894	71.25	0.568
18	20	24	35.095	11.122	14.095	247.44	0.425
18	21	1	115.659	5.736	182.488	137.66	0.959
18	21	3	93.373	7.389	85.569	39.73	0.958
18	21	5	102.436	5.904	198.530	340.35	0.885
18	21	7	42.697	11.217	27.967	263.48	0.692
18	21	9	69.524	11.186	74.751	46.43	0.908
18	21	11	43.298	12.516	23.972	182.63	0.562
18	21	13	161.380	5.509	209.186	224.99	0.985
18	21	15	62.808	11.804	67.667	354.66	0.925
18	21	17	37.124	11.069	19.163	57.01	0.355
18	21	19	41.021	11.382	34.907	302.28	0.676
18	21	21	87.143	8.340	132.041	120.00	0.951
18	21	23	25.444	8.575	10.533	322.02	0.615
18	22	0	28.455	12.857	20.105	180.00	0.489
18	22	2	120.679	5.966	203.169	195.72	0.963
18	22	4	55.480	9.583	48.035	27.18	0.879
18	22	6	93.683	7.171	145.266	81.95	0.941
18	22	8	32.329	9.401	3.520	58.95	0.513
18	22	10	82.936	9.629	137.616	278.12	0.743
18	22	12	41.401	11.929	17.122	235.59	0.866
18	22	14	48.553	11.782	50.253	73.98	0.832
18	22	16	36.914	11.371	16.675	138.32	0.420
18	22	18	73.931	9.896	89.859	78.53	0.948
18	22	20	31.104	10.151	26.802	266.79	0.852
18	23	1	33.013	10.418	1.624	350.89	0.447
18	23	3	45.352	11.880	37.059	327.13	0.544
18	23	5	101.333	6.868	160.262	269.20	0.949
18	23	7	88.965	7.902	172.146	320.95	0.795
18	23	9	34.769	10.457	19.694	40.21	0.721
18	23	11	47.064	13.056	20.997	357.26	0.893
18	23	13	34.086	11.128	3.615	65.61	0.777
18	23	15	50.301	12.160	54.481	63.64	0.827
18	23	17	47.085	10.685	54.429	180.50	0.682
18	23	19	43.841	11.851	4.762	173.51	0.070
18	24	0	53.045	16.088	70.662	180.00	0.949
18	24	2	57.797	12.020	77.242	87.11	0.871
18	24	4	87.181	8.168	171.178	194.40	0.924
18	24	6	73.649	9.928	104.936	241.01	0.935
18	24	8	76.138	10.312	114.819	278.30	0.937
18	24	10	32.693	9.998	14.750	352.19	0.617
18	24	12	63.295	11.359	67.397	219.27	0.931
18	24	14	43.168	11.544	29.989	15.12	0.850
18	24	16	32.823	10.511	6.551	348.79	0.707
18	25	1	39.118	11.306	28.306	295.67	0.598
18	25	3	48.127	11.223	49.890	44.99	0.841
18	25	5	71.500	9.002	90.535	39.67	0.943
18	25	7	41.853	10.219	36.496	59.38	0.677
18	25	9	56.062	9.764	78.945	189.65	0.839
18	25	11	51.123	9.888	66.486	283.63	0.836
18	25	13	35.215	11.031	14.802	85.20	0.747
18	26	0	26.811	12.431	18.946	180.00	0.504
18	26	2	34.130	10.784	18.893	195.91	0.688
18	26	4	40.005	11.774	34.210	40.42	0.661
18	26	6	27.746	8.883	2.564	30.72	0.702
18	26	8	40.087	11.001	33.897	349.27	0.570
18	26	10	43.603	11.161	22.142	341.47	0.331
18	27	1	45.081	11.378	45.066	228.55	0.596
18	27	3	34.016	11.417	9.051	227.95	0.210
18	27	5	69.008	10.231	109.049	325.31	0.723
19	0	3	347.211	5.292	520.045	0.00	1.000
19	0	5	334.893	5.297	501.041	0.00	1.000

19	0	7	262.614	6.224	392.189	0.00	1.000
19	0	9	30.482	11.145	26.087	0.00	0.575
19	0	11	45.576	11.462	15.005	180.00	0.222
19	0	13	200.075	3.822	296.572	0.00	1.000
19	0	15	130.266	5.395	192.334	180.00	1.000
19	0	17	292.798	4.617	430.533	0.00	1.000
19	0	19	140.317	5.927	205.141	0.00	1.000
19	0	21	254.095	4.856	369.735	0.00	1.000
19	0	23	25.841	12.637	7.802	180.00	0.211
19	0	25	115.472	8.804	165.031	180.00	1.000
19	0	27	92.476	10.079	125.559	180.00	0.962
19	0	29	67.260	16.299	90.346	0.00	0.991
19	0	31	73.330	14.940	65.230	0.00	0.668
19	0	33	27.607	12.951	2.677	0.00	0.074
19	1	0	37.244	9.639	2.785	180.00	0.050
19	1	2	294.168	4.571	406.618	177.33	0.990
19	1	4	316.466	3.538	437.135	105.12	0.992
19	1	6	266.084	2.692	343.380	71.50	0.989
19	1	8	196.981	3.187	298.510	60.35	0.978
19	1	10	247.393	3.180	430.829	61.02	0.980
19	1	12	315.199	3.049	487.349	354.09	0.990
19	1	14	77.036	6.149	110.103	65.69	0.758
19	1	16	169.367	3.548	238.234	122.00	0.977
19	1	18	108.186	5.818	185.279	55.76	0.907
19	1	20	99.391	6.342	156.706	159.50	0.933
19	1	22	55.883	11.102	51.030	49.05	0.654
19	1	24	179.590	3.973	231.302	267.83	0.986
19	1	26	79.047	8.014	93.690	212.67	0.927
19	1	28	98.482	6.949	121.293	245.16	0.550
19	1	30	54.832	12.073	69.277	238.03	0.794
19	1	32	34.503	11.215	17.696	321.87	0.443
19	1	34	32.237	10.814	13.111	281.81	0.578
19	2	1	427.955	4.886	639.812	54.91	0.995
19	2	3	70.069	4.572	64.649	32.20	0.809
19	2	5	423.608	4.235	664.574	148.23	0.995
19	2	7	121.854	4.277	219.538	291.29	0.859
19	2	9	399.820	3.985	634.031	223.30	0.994
19	2	11	47.011	5.982	20.384	256.61	0.497
19	2	13	191.291	2.733	326.094	192.19	0.978
19	2	15	212.154	3.194	283.898	76.80	0.986
19	2	17	100.824	5.222	163.119	337.10	0.904
19	2	19	158.145	4.024	248.014	152.12	0.978
19	2	21	45.124	10.701	25.265	158.78	0.476
19	2	23	81.827	8.699	57.777	125.02	0.946
19	2	25	216.176	4.310	293.440	261.50	0.990
19	2	27	112.916	6.241	145.470	54.33	0.967
19	2	29	48.227	12.087	50.063	233.21	0.640
19	2	31	110.183	6.386	181.655	49.23	0.967
19	2	33	60.057	10.348	67.744	157.56	0.905
19	3	0	11.257	8.102	2.388	0.00	0.151
19	3	2	199.184	2.850	266.799	279.46	0.982
19	3	4	184.125	3.059	250.935	266.20	0.979
19	3	6	279.954	3.057	388.936	273.77	0.989
19	3	8	239.361	2.808	356.964	208.00	0.984
19	3	10	174.113	3.187	281.514	125.70	0.964
19	3	12	228.472	2.826	358.333	146.23	0.980
19	3	14	166.678	2.995	266.650	218.54	0.970
19	3	16	111.142	4.379	106.354	154.61	0.965
19	3	18	215.477	3.183	344.831	307.95	0.988
19	3	20	143.217	4.568	204.541	182.60	0.976
19	3	22	82.457	8.206	104.469	272.89	0.920
19	3	24	193.329	4.095	323.458	312.11	0.984
19	3	26	96.857	7.293	130.546	93.55	0.949
19	3	28	114.393	6.799	131.870	135.61	0.969
19	3	30	67.346	10.596	95.528	345.35	0.903
19	3	32	71.246	10.129	113.263	351.84	0.881
19	4	1	266.197	3.222	385.760	279.66	0.988
19	4	3	80.476	4.985	104.452	195.29	0.874
19	4	5	103.573	5.944	116.944	11.38	0.931
19	4	7	221.446	2.756	381.008	233.05	0.975
19	4	9	227.783	3.063	360.514	335.02	0.980
19	4	11	408.458	4.190	662.490	111.46	0.994
19	4	13	65.249	6.424	45.155	262.28	0.505
19	4	15	72.557	6.419	71.678	102.84	0.880
19	4	17	102.584	4.282	122.875	172.54	0.943
19	4	19	108.884	5.765	134.984	326.56	0.960
19	4	21	117.492	5.074	197.011	309.88	0.669

19	4	23	99.409	6.746	101.390	239.70	0.957
19	4	25	105.371	5.945	142.223	111.45	0.952
19	4	27	92.591	8.322	123.748	125.60	0.943
19	4	29	105.154	7.314	145.707	196.93	0.973
19	4	31	33.244	10.326	13.848	16.65	0.469
19	4	33	73.778	9.088	106.741	3.52	0.924
19	5	0	220.110	4.448	329.826	0.00	1.000
19	5	2	34.624	9.338	54.908	169.54	0.476
19	5	4	75.931	7.386	29.430	113.57	0.905
19	5	6	423.320	4.656	806.324	345.95	0.993
19	5	8	35.456	8.018	19.171	148.18	0.562
19	5	10	226.681	3.057	277.304	257.70	0.986
19	5	12	103.959	4.215	108.040	6.20	0.950
19	5	14	102.723	4.540	142.400	246.73	0.928
19	5	16	170.703	3.116	214.976	317.72	0.982
19	5	18	178.071	3.504	275.589	64.36	0.983
19	5	20	158.557	4.447	219.930	260.95	0.982
19	5	22	144.931	4.051	251.269	102.22	0.969
19	5	24	87.924	7.311	81.540	274.51	0.946
19	5	26	43.978	10.971	2.947	61.20	0.834
19	5	28	50.539	10.868	36.120	92.86	0.818
19	5	30	40.401	11.103	25.048	318.62	0.450
19	5	32	41.175	10.829	13.911	299.15	0.868
19	6	1	244.889	3.223	316.261	81.28	0.986
19	6	3	221.449	3.321	339.100	209.31	0.980
19	6	5	253.158	4.415	443.927	149.95	0.982
19	6	7	79.048	4.591	109.682	271.28	0.796
19	6	9	387.520	4.318	583.446	246.00	0.994
19	6	11	187.959	3.754	278.576	294.62	0.981
19	6	13	149.060	4.711	200.031	92.18	0.971
19	6	15	127.381	3.755	181.182	237.86	0.960
19	6	17	124.743	4.367	157.967	174.84	0.971
19	6	19	121.322	5.063	234.197	103.61	0.933
19	6	21	175.140	3.830	252.419	150.11	0.983
19	6	23	39.363	9.276	16.835	263.46	0.583
19	6	25	64.297	9.287	83.340	4.48	0.856
19	6	27	93.831	7.782	95.105	80.70	0.958
19	6	29	80.520	9.192	104.173	26.66	0.951
19	6	31	67.177	10.767	92.792	310.48	0.907
19	6	33	56.301	12.697	66.417	298.39	0.822
19	7	0	276.180	5.217	413.687	0.00	1.000
19	7	2	119.727	4.344	162.472	298.04	0.938
19	7	4	290.645	3.902	503.614	125.00	0.986
19	7	6	322.552	3.451	446.651	163.08	0.992
19	7	8	344.569	4.221	569.347	4.31	0.991
19	7	10	70.435	7.877	51.687	152.77	0.880
19	7	12	183.678	2.844	259.697	127.32	0.982
19	7	14	159.218	4.031	246.558	293.14	0.971
19	7	16	70.010	8.773	63.415	251.45	0.917
19	7	18	192.110	3.358	255.875	172.78	0.988
19	7	20	195.095	3.462	267.859	75.50	0.988
19	7	22	85.986	7.015	124.182	6.61	0.606
19	7	24	165.962	4.705	237.227	76.81	0.982
19	7	26	113.368	7.063	138.634	110.52	0.968
19	7	28	102.150	8.247	203.523	171.21	0.930
19	7	30	40.963	11.188	28.049	179.79	0.474
19	7	32	64.036	11.242	95.694	115.90	0.806
19	8	1	79.698	7.803	81.114	210.79	0.523
19	8	3	341.925	5.163	493.622	246.63	0.992
19	8	5	196.479	2.865	314.935	280.80	0.974
19	8	7	221.261	3.429	355.966	201.48	0.978
19	8	9	249.267	4.441	324.998	28.73	0.991
19	8	11	298.979	3.686	462.619	113.77	0.992
19	8	13	118.818	5.387	193.758	15.20	0.933
19	8	15	169.464	4.342	225.266	323.04	0.985
19	8	17	156.431	4.605	164.588	213.79	0.984
19	8	19	56.459	11.255	59.189	43.43	0.624
19	8	21	158.829	4.293	320.191	293.51	0.956
19	8	23	161.716	3.877	266.621	272.56	0.977
19	8	25	86.065	7.192	150.286	318.00	0.862
19	8	27	61.081	11.285	65.740	250.29	0.923
19	8	29	38.803	10.970	8.221	47.71	0.146
19	8	31	52.123	11.333	63.518	344.29	0.761
19	9	0	298.597	6.167	447.004	180.00	1.000
19	9	2	212.025	5.138	292.844	227.70	0.981
19	9	4	29.153	9.593	24.061	185.21	0.185
19	9	6	30.292	8.916	23.478	93.51	0.363

19	9	8	252.120	3.467	486.764	72.72	0.984
19	9	10	137.804	4.035	220.799	205.71	0.960
19	9	12	234.262	2.863	405.845	17.81	0.983
19	9	14	42.237	9.450	7.513	327.72	0.282
19	9	16	48.389	11.090	7.272	18.92	0.853
19	9	18	109.274	5.927	193.957	175.98	0.936
19	9	20	50.938	10.735	45.122	245.36	0.728
19	9	22	182.445	3.861	261.484	292.23	0.985
19	9	24	151.594	4.670	221.945	224.68	0.980
19	9	26	37.855	10.344	3.150	100.01	0.717
19	9	28	128.270	6.246	174.039	215.84	0.983
19	9	30	44.939	11.004	28.708	232.86	0.395
19	9	32	49.163	11.509	28.593	291.68	0.891
19	10	1	223.953	5.696	353.369	165.25	0.986
19	10	3	183.903	4.227	294.542	135.13	0.979
19	10	5	112.266	7.543	115.332	29.56	0.957
19	10	7	239.062	3.326	349.832	47.31	0.989
19	10	9	52.313	9.563	13.791	358.50	0.708
19	10	11	189.127	3.907	288.735	298.89	0.981
19	10	13	158.258	3.435	258.793	301.32	0.977
19	10	15	318.139	3.406	462.787	299.54	0.995
19	10	17	232.523	3.722	332.881	349.06	0.991
19	10	19	60.894	9.851	59.915	166.46	0.847
19	10	21	83.066	7.787	62.945	343.31	0.949
19	10	23	105.570	5.907	204.067	217.41	0.801
19	10	25	91.815	7.855	149.158	29.41	0.672
19	10	27	74.604	8.442	116.170	201.77	0.912
19	10	29	71.487	10.815	109.106	188.01	0.906
19	10	31	31.320	10.076	8.080	329.60	0.550
19	11	0	23.700	16.274	27.320	0.00	0.812
19	11	2	79.734	11.420	83.052	343.07	0.902
19	11	4	204.523	3.360	313.433	278.92	0.984
19	11	6	142.919	4.597	184.166	220.00	0.971
19	11	8	92.851	5.938	115.095	24.65	0.913
19	11	10	236.936	3.415	377.925	77.83	0.987
19	11	12	81.388	6.736	68.720	201.54	0.945
19	11	14	36.839	9.593	11.357	262.31	0.592
19	11	16	100.646	5.805	97.137	259.54	0.962
19	11	18	116.833	6.048	128.137	224.38	0.970
19	11	20	48.532	9.467	34.433	229.64	0.791
19	11	22	37.463	11.125	10.081	284.23	0.409
19	11	24	52.891	11.534	22.613	317.13	0.877
19	11	26	42.414	10.896	11.400	353.38	0.882
19	11	28	56.696	11.486	74.926	148.33	0.745
19	11	30	120.610	6.284	181.175	55.25	0.978
19	12	1	32.832	7.727	5.035	277.36	0.218
19	12	3	229.130	4.113	313.104	301.82	0.989
19	12	5	174.041	3.978	234.077	169.47	0.984
19	12	7	99.291	5.993	152.374	146.02	0.917
19	12	9	345.099	3.833	575.810	42.05	0.994
19	12	11	257.661	3.412	395.958	21.76	0.993
19	12	13	71.187	7.193	106.030	322.19	0.709
19	12	15	123.618	4.702	211.801	219.72	0.957
19	12	17	196.555	3.287	265.608	186.88	0.989
19	12	19	123.805	5.525	200.478	129.70	0.960
19	12	21	105.127	5.648	144.752	78.02	0.962
19	12	23	63.916	9.205	78.636	154.15	0.862
19	12	25	60.238	10.199	71.344	312.18	0.910
19	12	27	35.922	10.940	21.964	254.61	0.487
19	12	29	38.100	11.027	26.648	258.03	0.535
19	13	0	105.857	13.020	122.051	0.00	0.775
19	13	2	168.332	3.083	262.312	331.52	0.975
19	13	4	45.217	8.893	5.954	150.05	0.771
19	13	6	141.493	4.061	205.567	342.41	0.967
19	13	8	159.484	3.739	254.251	13.78	0.979
19	13	10	63.655	9.523	29.366	45.39	0.917
19	13	12	73.163	10.651	105.031	242.93	0.676
19	13	14	190.800	3.261	291.452	290.55	0.986
19	13	16	40.855	10.722	14.207	82.81	0.530
19	13	18	133.319	4.385	183.802	109.34	0.973
19	13	20	161.891	4.600	216.773	124.93	0.985
19	13	22	77.463	8.732	115.820	59.84	0.893
19	13	24	42.537	11.315	27.146	40.09	0.398
19	13	26	64.603	9.934	98.519	70.23	0.862
19	13	28	30.618	9.668	7.523	300.24	0.335
19	14	1	134.579	4.643	240.957	344.61	0.961
19	14	3	107.646	5.498	103.106	58.44	0.970

19	14	5	216.598	2.791	311.765	307.69	0.990
19	14	7	126.881	4.917	220.723	351.56	0.961
19	14	9	48.138	11.008	11.702	245.97	0.842
19	14	11	115.063	7.029	161.740	106.81	0.962
19	14	13	41.430	10.916	16.790	276.80	0.498
19	14	15	72.667	7.824	30.739	150.00	0.947
19	14	17	181.867	4.326	291.576	26.22	0.983
19	14	19	216.235	3.362	442.985	166.48	0.983
19	14	21	74.127	9.097	110.579	36.53	0.874
19	14	23	59.064	11.603	36.544	69.44	0.937
19	14	25	34.800	10.549	9.768	258.59	0.845
19	14	27	55.670	11.196	77.497	55.77	0.800
19	15	0	32.107	12.333	37.511	0.00	0.789
19	15	2	185.842	3.467	298.002	44.04	0.985
19	15	4	63.715	8.724	62.510	228.81	0.875
19	15	6	67.005	8.177	29.556	251.41	0.929
19	15	8	152.207	4.208	265.018	327.90	0.973
19	15	10	64.996	9.396	68.075	125.34	0.509
19	15	12	158.781	4.737	291.388	154.30	0.973
19	15	14	181.456	3.793	236.721	23.32	0.987
19	15	16	49.528	11.124	32.221	358.79	0.760
19	15	18	136.971	5.244	232.880	309.61	0.971
19	15	20	155.888	4.341	247.731	99.39	0.980
19	15	22	71.354	8.476	126.720	7.81	0.860
19	15	24	44.543	11.529	6.799	39.15	0.898
19	15	26	29.857	9.457	8.708	90.75	0.283
19	15	28	39.507	10.607	25.750	300.40	0.577
19	16	1	132.228	5.358	173.008	339.41	0.975
19	16	3	94.172	6.110	147.694	334.21	0.808
19	16	5	131.963	3.822	244.430	214.40	0.959
19	16	7	91.542	6.965	61.440	285.95	0.961
19	16	9	92.643	6.260	164.770	180.00	0.892
19	16	11	181.184	4.594	298.045	254.50	0.983
19	16	13	108.585	7.233	222.884	316.18	0.869
19	16	15	53.253	11.434	50.979	231.52	0.564
19	16	17	77.056	8.986	126.992	221.69	0.860
19	16	19	43.321	11.664	15.109	194.44	0.772
19	16	21	84.007	7.217	110.168	109.69	0.963
19	16	23	65.988	9.889	102.046	5.24	0.869
19	16	25	61.521	12.225	63.916	260.79	0.919
19	16	27	31.647	10.402	13.204	270.83	0.374
19	17	0	70.026	9.650	103.511	180.00	0.995
19	17	2	93.766	5.966	110.476	279.17	0.951
19	17	4	44.256	11.475	15.083	129.81	0.756
19	17	6	221.380	3.147	349.278	182.45	0.990
19	17	8	93.851	6.816	167.487	54.77	0.770
19	17	10	56.387	11.035	49.964	186.02	0.845
19	17	12	98.283	6.534	139.096	238.23	0.946
19	17	14	122.254	4.958	213.914	278.97	0.963
19	17	16	60.220	9.404	55.656	267.14	0.892
19	17	18	100.731	7.406	153.404	184.27	0.948
19	17	20	31.904	10.325	5.736	7.89	0.718
19	17	22	65.954	11.895	89.976	199.06	0.897
19	17	24	51.297	11.207	57.954	277.86	0.667
19	17	26	57.725	10.643	78.387	321.19	0.744
19	18	1	61.833	9.787	84.377	4.18	0.747
19	18	3	62.248	8.848	35.648	123.79	0.911
19	18	5	159.455	3.911	238.438	184.02	0.981
19	18	7	108.042	5.206	151.274	98.86	0.959
19	18	9	75.524	8.753	108.144	279.48	0.893
19	18	11	181.442	4.399	255.400	168.20	0.988
19	18	13	73.760	10.742	108.959	104.05	0.891
19	18	15	44.755	11.821	19.486	79.22	0.793
19	18	17	33.043	10.071	14.240	246.88	0.511
19	18	19	50.280	11.290	50.844	203.60	0.865
19	18	21	39.701	11.171	27.563	13.68	0.642
19	18	23	48.464	10.692	44.856	277.61	0.869
19	19	0	76.793	17.361	108.460	180.00	0.972
19	19	2	89.221	6.316	113.537	135.97	0.938
19	19	4	39.441	10.967	4.899	156.26	0.727
19	19	6	125.685	4.681	118.357	143.23	0.978
19	19	8	94.719	6.124	97.758	241.19	0.964
19	19	10	72.777	10.813	93.899	254.14	0.912
19	19	12	103.833	6.161	152.512	138.23	0.958
19	19	14	84.907	8.805	85.482	64.19	0.951
19	19	16	103.267	6.468	157.759	359.95	0.972
19	19	18	39.828	10.920	27.355	328.85	0.769

19	19	20	37.139	11.269	10.159	296.74	0.198
19	19	22	40.098	11.445	11.124	83.34	0.847
19	20	1	36.648	9.987	11.024	291.09	0.509
19	20	3	88.279	8.219	95.069	285.51	0.956
19	20	5	82.629	9.257	152.250	136.86	0.841
19	20	7	91.137	5.954	155.894	64.80	0.929
19	20	9	82.767	9.051	120.820	339.67	0.923
19	20	11	53.168	11.305	57.643	285.01	0.695
19	20	13	55.734	12.163	80.583	286.56	0.801
19	20	15	56.753	12.519	28.153	343.95	0.936
19	20	17	47.761	12.223	45.032	122.32	0.566
19	20	19	69.569	9.191	75.156	271.21	0.950
19	20	21	33.252	9.901	13.628	108.25	0.311
19	21	0	46.686	18.558	1.874	0.00	0.028
19	21	2	99.080	6.479	143.842	5.32	0.954
19	21	4	74.009	10.013	103.392	302.33	0.901
19	21	6	127.720	5.384	211.764	162.42	0.969
19	21	8	50.689	10.215	28.985	335.20	0.842
19	21	10	37.693	10.953	11.650	350.86	0.826
19	21	12	62.795	10.317	81.625	301.79	0.915
19	21	14	63.051	10.856	88.520	288.75	0.903
19	21	16	110.080	6.856	203.920	210.96	0.963
19	21	18	62.556	11.878	64.983	196.19	0.924
19	21	20	51.328	12.308	51.653	142.17	0.854
19	22	1	55.581	11.221	60.448	188.68	0.574
19	22	3	39.564	11.014	16.683	151.84	0.437
19	22	5	34.880	10.595	14.237	277.91	0.312
19	22	7	32.833	9.838	13.518	185.72	0.381
19	22	9	49.610	11.418	44.092	290.07	0.889
19	22	11	31.715	10.320	7.990	277.91	0.700
19	22	13	41.120	10.648	32.177	57.82	0.492
19	22	15	79.042	10.173	126.303	138.33	0.936
19	22	17	35.520	11.168	14.615	113.34	0.749
19	23	0	37.456	17.553	13.199	0.00	0.253
19	23	2	83.773	8.626	151.318	247.22	0.761
19	23	4	60.113	10.648	96.393	155.57	0.853
19	23	6	75.908	8.465	96.361	288.58	0.953
19	23	8	87.319	7.250	154.025	299.76	0.948
19	23	10	71.283	9.231	77.704	336.30	0.496
19	23	12	66.885	10.476	84.320	140.66	0.932
19	23	14	60.992	10.685	90.401	8.77	0.880
19	23	16	33.921	10.818	13.368	128.61	0.754
19	24	1	34.749	10.606	17.061	156.51	0.559
19	24	3	35.063	10.599	19.070	112.54	0.630
19	24	5	52.220	10.604	72.458	178.33	0.780
19	24	7	40.569	11.022	36.662	91.01	0.739
19	24	9	33.872	10.155	12.306	118.19	0.271
19	24	11	39.683	10.878	34.986	309.26	0.688
19	24	13	78.984	11.277	137.691	53.89	0.877
19	25	0	28.830	14.789	15.141	180.00	0.381
19	25	2	31.012	10.089	17.020	311.91	0.559
19	25	4	38.569	10.889	28.392	192.99	0.555
19	25	6	28.898	9.424	2.713	257.76	0.723
19	25	8	57.649	10.668	79.030	89.57	0.884
19	25	10	27.474	8.916	3.899	101.34	0.671
19	26	1	50.434	12.161	40.599	344.91	0.881
19	26	3	33.060	9.145	15.597	197.28	0.686
19	26	5	45.520	12.280	39.847	214.20	0.779
20	0	4	25.148	14.288	25.260	0.00	0.678
20	0	6	157.419	4.450	236.631	180.00	0.999
20	0	8	98.548	11.746	120.178	0.00	0.814
20	0	10	128.031	4.960	191.748	0.00	0.999
20	0	12	120.333	5.228	179.722	0.00	1.000
20	0	14	134.360	5.335	200.153	0.00	1.000
20	0	16	168.344	5.150	249.816	0.00	1.000
20	0	18	59.320	11.989	41.348	180.00	0.477
20	0	20	94.807	11.006	138.354	180.00	1.000
20	0	22	355.077	5.330	518.612	180.00	1.000
20	0	24	34.504	15.225	47.393	0.00	0.976
20	0	26	60.785	17.867	82.072	180.00	0.981
20	0	28	65.654	15.824	89.393	180.00	1.000
20	0	30	27.624	12.894	22.573	180.00	0.606
20	0	32	31.151	14.328	11.471	0.00	0.283
20	1	1	298.452	4.789	445.269	98.64	0.990
20	1	3	256.785	4.621	408.787	97.50	0.985
20	1	5	235.206	4.682	403.469	228.51	0.980
20	1	7	244.512	2.823	411.440	181.09	0.987

20	1	9	252.485	3.851	298.387	334.43	0.992
20	1	11	85.204	6.099	104.987	68.13	0.905
20	1	13	95.361	4.989	171.600	117.43	0.838
20	1	15	129.896	4.761	237.700	93.59	0.959
20	1	17	37.437	10.047	8.580	160.10	0.523
20	1	19	49.119	10.151	37.670	6.04	0.713
20	1	21	56.365	10.800	59.759	217.43	0.680
20	1	23	154.159	4.645	284.659	20.91	0.969
20	1	25	96.825	6.455	151.272	222.96	0.941
20	1	27	35.613	10.890	19.236	39.44	0.684
20	1	29	66.660	11.161	56.256	15.39	0.379
20	1	31	73.199	10.884	83.351	347.17	0.943
20	2	0	71.173	8.190	89.481	0.00	0.838
20	2	2	253.109	4.118	472.048	155.69	0.976
20	2	4	181.732	3.272	254.761	108.58	0.977
20	2	6	212.661	2.865	335.422	330.81	0.982
20	2	8	133.528	5.225	214.521	85.09	0.958
20	2	10	49.704	8.997	32.809	48.26	0.496
20	2	12	82.481	4.628	124.574	17.47	0.733
20	2	14	140.412	3.720	227.272	179.43	0.962
20	2	16	97.874	6.063	188.638	132.94	0.862
20	2	18	102.301	4.592	171.155	34.88	0.942
20	2	20	53.017	11.248	11.690	176.87	0.877
20	2	22	214.530	3.774	259.891	334.63	0.991
20	2	24	135.973	5.022	183.931	286.57	0.980
20	2	26	76.845	9.338	98.935	63.98	0.912
20	2	28	39.699	11.415	24.254	253.14	0.752
20	2	30	61.974	12.312	65.610	347.14	0.923
20	2	32	82.870	9.433	123.580	8.88	0.943
20	3	1	249.256	3.500	356.554	102.75	0.985
20	3	3	254.585	3.590	305.394	300.63	0.989
20	3	5	58.322	10.839	9.557	320.20	0.767
20	3	7	26.053	7.781	21.452	105.11	0.232
20	3	9	274.006	3.659	447.186	348.69	0.991
20	3	11	45.589	11.058	15.052	116.63	0.491
20	3	13	86.503	5.255	118.088	166.07	0.907
20	3	15	98.250	4.582	135.692	28.27	0.949
20	3	17	129.835	5.828	173.188	295.88	0.973
20	3	19	104.555	4.905	112.885	182.76	0.963
20	3	21	36.626	10.717	7.448	40.66	0.680
20	3	23	236.395	3.863	372.686	317.85	0.990
20	3	25	109.560	7.063	172.033	327.65	0.955
20	3	27	107.805	6.385	155.906	209.16	0.975
20	3	29	40.356	10.491	32.218	5.01	0.550
20	3	31	54.729	10.535	57.979	271.89	0.893
20	4	0	97.115	7.704	145.902	0.00	0.998
20	4	2	69.966	6.742	40.210	142.60	0.414
20	4	4	175.080	3.925	250.865	338.80	0.971
20	4	6	129.042	6.605	223.710	170.58	0.935
20	4	8	334.842	3.758	478.634	182.77	0.995
20	4	10	160.302	3.922	270.240	202.56	0.969
20	4	12	126.177	5.555	217.525	296.35	0.937
20	4	14	179.156	2.991	251.820	217.71	0.986
20	4	16	182.023	3.298	246.336	293.52	0.987
20	4	18	45.835	9.750	31.413	195.98	0.459
20	4	20	35.296	10.414	5.113	269.68	0.268
20	4	22	148.419	4.266	197.414	27.68	0.979
20	4	24	42.243	11.427	15.490	304.36	0.717
20	4	26	46.838	11.004	19.723	193.86	0.365
20	4	28	53.787	11.362	67.143	117.36	0.827
20	4	30	38.254	10.662	30.954	210.25	0.560
20	4	32	44.725	11.604	31.287	85.75	0.456
20	5	1	72.453	8.044	81.285	260.75	0.600
20	5	3	117.787	4.939	148.080	99.66	0.957
20	5	5	122.881	6.762	153.641	262.83	0.961
20	5	7	239.734	3.413	327.163	201.21	0.990
20	5	9	181.425	3.693	287.218	204.15	0.978
20	5	11	154.172	3.990	232.117	324.77	0.972
20	5	13	54.550	9.778	43.163	310.88	0.514
20	5	15	87.777	5.675	112.811	10.25	0.937
20	5	17	82.379	7.102	57.530	168.48	0.951
20	5	19	97.957	5.813	139.168	53.41	0.944
20	5	21	127.790	4.401	174.133	182.91	0.971
20	5	23	43.298	10.763	30.468	263.43	0.594
20	5	25	118.649	6.762	150.618	133.64	0.970
20	5	27	59.820	10.756	79.515	146.80	0.633
20	5	29	34.165	10.153	15.698	210.68	0.669

20	5	31	37.598	11.168	7.919	45.75	0.220
20	6	0	253.095	5.712	381.904	180.00	1.000
20	6	2	111.764	5.587	143.345	165.32	0.952
20	6	4	118.539	5.763	179.998	55.54	0.948
20	6	6	138.939	2.920	207.329	295.40	0.975
20	6	8	199.298	3.322	316.208	241.45	0.983
20	6	10	146.842	3.649	299.180	281.62	0.940
20	6	12	91.491	6.713	101.839	137.52	0.934
20	6	14	46.069	11.012	27.099	223.10	0.372
20	6	16	202.771	3.425	302.323	115.44	0.988
20	6	18	131.102	4.122	175.833	353.16	0.976
20	6	20	167.361	4.123	221.558	180.80	0.984
20	6	22	89.735	7.395	132.485	154.09	0.926
20	6	24	70.371	9.657	94.862	259.03	0.879
20	6	26	31.820	9.884	12.577	6.08	0.827
20	6	28	50.279	11.330	52.042	183.00	0.844
20	6	30	76.705	9.727	132.902	340.71	0.896
20	7	1	91.617	6.734	151.744	125.79	0.882
20	7	3	197.346	4.332	275.763	314.77	0.985
20	7	5	204.386	4.467	292.741	350.64	0.986
20	7	7	144.869	3.779	175.777	307.46	0.980
20	7	9	169.913	3.558	265.131	241.81	0.976
20	7	11	311.870	4.022	489.925	180.76	0.993
20	7	13	57.237	7.290	69.212	336.54	0.751
20	7	15	62.603	8.543	73.031	124.86	0.854
20	7	17	45.960	9.332	36.840	38.21	0.740
20	7	19	27.153	8.836	1.909	341.07	0.065
20	7	21	48.162	10.014	37.345	314.93	0.686
20	7	23	92.277	6.270	141.706	247.05	0.937
20	7	25	55.676	10.559	51.580	208.54	0.858
20	7	27	78.824	8.855	148.267	208.96	0.832
20	7	29	92.538	8.896	155.436	12.96	0.951
20	7	31	54.440	11.610	65.655	64.50	0.773
20	8	0	100.230	12.636	150.486	0.00	0.999
20	8	2	101.569	7.120	147.837	173.96	0.930
20	8	4	198.125	5.996	257.759	55.40	0.986
20	8	6	200.055	3.582	341.046	70.36	0.980
20	8	8	32.798	13.060	22.912	163.41	0.415
20	8	10	224.724	3.536	382.931	237.88	0.985
20	8	12	62.602	10.183	77.795	24.37	0.831
20	8	14	88.188	6.191	125.723	15.19	0.932
20	8	16	129.195	5.734	153.810	266.91	0.975
20	8	18	93.127	6.758	151.690	161.97	0.926
20	8	20	135.544	4.836	235.934	268.17	0.965
20	8	22	80.436	7.851	96.354	170.51	0.934
20	8	24	38.007	11.096	1.467	44.68	0.707
20	8	26	102.430	8.051	148.802	149.06	0.970
20	8	28	35.096	10.631	19.743	164.46	0.577
20	8	30	43.580	10.912	42.019	206.47	0.682
20	9	1	104.040	7.159	157.463	295.61	0.938
20	9	3	109.122	6.603	143.599	161.74	0.946
20	9	5	39.114	9.887	3.061	200.07	0.507
20	9	7	120.404	4.783	107.168	117.68	0.973
20	9	9	274.018	3.791	407.970	180.27	0.991
20	9	11	72.245	10.629	69.272	339.43	0.921
20	9	13	70.412	6.833	107.870	77.18	0.828
20	9	15	52.726	9.036	37.972	281.66	0.840
20	9	17	100.401	6.859	147.364	341.26	0.946
20	9	19	128.250	5.135	171.259	99.34	0.972
20	9	21	34.314	10.258	5.632	282.63	0.268
20	9	23	118.384	5.284	228.452	37.16	0.945
20	9	25	40.787	11.189	16.121	78.09	0.297
20	9	27	51.017	11.580	5.096	88.27	0.928
20	9	29	45.352	11.765	46.520	170.52	0.753
20	10	0	98.339	12.604	147.249	0.00	0.997
20	10	2	54.697	13.552	31.141	243.39	0.758
20	10	4	77.729	11.135	103.708	194.49	0.852
20	10	6	53.163	9.999	27.882	171.86	0.367
20	10	8	64.439	9.555	72.718	224.89	0.510
20	10	10	41.874	10.681	15.164	310.96	0.366
20	10	12	41.274	10.141	21.755	203.07	0.549
20	10	14	208.228	3.308	359.821	1.91	0.986
20	10	16	73.611	8.871	41.929	90.93	0.939
20	10	18	49.238	10.128	41.677	346.06	0.571
20	10	20	150.631	4.717	211.642	68.68	0.982
20	10	22	35.199	10.066	5.886	318.17	0.544
20	10	24	38.273	10.722	27.962	10.23	0.633

20	10	26	61.242	11.441	29.571	53.01	0.944
20	10	28	57.074	10.893	77.519	317.86	0.826
20	11	1	43.476	11.940	12.997	180.01	0.514
20	11	3	135.296	7.966	188.884	31.25	0.965
20	11	5	117.514	6.095	148.151	350.17	0.971
20	11	7	133.234	4.554	274.317	312.31	0.929
20	11	9	36.142	9.863	3.837	115.50	0.663
20	11	11	105.329	5.552	130.408	233.40	0.964
20	11	13	32.871	9.599	6.614	93.58	0.660
20	11	15	142.337	4.176	288.315	245.61	0.957
20	11	17	142.016	3.997	228.943	253.59	0.972
20	11	19	61.940	8.743	68.889	261.79	0.912
20	11	21	67.852	8.554	91.978	127.50	0.627
20	11	23	59.065	9.440	81.989	247.32	0.895
20	11	25	36.615	10.566	25.962	134.88	0.662
20	11	27	31.629	9.705	12.563	164.89	0.592
20	11	29	39.579	11.485	6.645	2.11	0.861
20	12	0	31.837	19.975	14.160	0.00	0.305
20	12	2	66.170	8.581	45.056	223.20	0.922
20	12	4	51.077	11.232	36.917	343.33	0.808
20	12	6	103.194	7.326	93.940	74.14	0.967
20	12	8	123.440	5.572	213.126	296.23	0.959
20	12	10	158.853	3.835	211.397	282.28	0.983
20	12	12	197.258	3.771	300.401	234.77	0.988
20	12	14	47.333	9.773	6.337	281.82	0.851
20	12	16	96.332	6.089	114.981	289.63	0.953
20	12	18	37.103	10.209	1.842	316.56	0.719
20	12	20	65.190	10.010	44.481	118.17	0.922
20	12	22	70.579	9.476	96.978	280.90	0.935
20	12	24	73.517	8.818	80.193	300.47	0.952
20	12	26	38.495	11.047	11.566	272.92	0.844
20	12	28	37.816	10.838	23.523	21.07	0.660
20	13	1	70.119	5.433	60.004	49.91	0.922
20	13	3	165.175	4.104	273.953	161.49	0.980
20	13	5	242.716	4.770	396.348	306.54	0.991
20	13	7	106.183	5.140	110.077	93.83	0.970
20	13	9	272.895	3.423	442.578	107.75	0.993
20	13	11	165.445	3.897	263.025	174.76	0.981
20	13	13	105.955	6.404	150.470	33.83	0.955
20	13	15	62.346	9.822	55.887	290.40	0.881
20	13	17	29.294	9.526	28.683	166.98	0.674
20	13	19	55.958	8.750	53.727	153.09	0.853
20	13	21	39.198	11.474	17.928	252.26	0.282
20	13	23	58.675	10.831	55.615	22.50	0.925
20	13	25	44.986	11.852	16.644	333.31	0.226
20	13	27	29.324	9.640	4.427	76.96	0.718
20	14	0	183.785	4.471	276.917	0.00	1.000
20	14	2	109.169	4.766	167.316	322.51	0.957
20	14	4	173.879	3.028	288.818	231.97	0.982
20	14	6	71.474	5.945	108.105	64.12	0.858
20	14	8	94.714	5.957	157.850	131.37	0.927
20	14	10	132.518	5.379	242.959	132.92	0.962
20	14	12	144.772	4.448	252.416	2.26	0.972
20	14	14	41.922	10.810	17.864	103.54	0.633
20	14	16	45.199	10.983	22.902	118.71	0.802
20	14	18	129.106	5.285	211.199	120.46	0.970
20	14	20	70.942	7.648	78.860	106.62	0.952
20	14	22	30.786	9.705	8.704	114.18	0.499
20	14	24	44.305	12.463	38.692	54.48	0.801
20	14	26	36.825	11.211	15.406	173.65	0.365
20	15	1	31.075	9.034	2.725	82.22	0.422
20	15	3	176.360	3.110	306.389	95.18	0.982
20	15	5	113.729	4.489	179.805	336.37	0.962
20	15	7	169.016	3.324	231.479	31.29	0.986
20	15	9	94.085	7.315	112.846	47.80	0.951
20	15	11	96.610	6.687	161.477	334.74	0.926
20	15	13	61.196	11.319	35.762	337.82	0.896
20	15	15	93.563	6.711	97.383	128.26	0.961
20	15	17	35.581	10.155	6.059	66.95	0.446
20	15	19	69.520	10.338	82.249	59.76	0.946
20	15	21	53.764	10.083	64.814	90.07	0.874
20	15	23	62.363	8.879	92.340	128.92	0.904
20	15	25	36.822	11.011	16.522	144.34	0.296
20	16	0	61.494	12.677	91.527	180.00	1.000
20	16	2	142.896	4.653	242.619	151.89	0.973
20	16	4	87.364	5.451	109.337	39.63	0.942
20	16	6	33.772	9.120	11.641	289.75	0.377

20	16	8	111.218	5.853	149.543	356.19	0.964
20	16	10	41.599	10.144	18.681	173.94	0.554
20	16	12	88.828	8.396	104.094	184.73	0.953
20	16	14	49.849	12.104	45.728	332.47	0.619
20	16	16	51.818	9.900	54.874	337.10	0.767
20	16	18	38.212	10.652	13.714	288.02	0.849
20	16	20	42.577	11.460	38.952	141.79	0.725
20	16	22	39.826	11.582	32.520	89.25	0.713
20	16	24	68.826	9.665	96.813	127.84	0.626
20	17	1	94.559	6.520	129.547	150.46	0.948
20	17	3	85.693	6.483	126.388	232.20	0.926
20	17	5	104.583	5.466	154.654	314.26	0.953
20	17	7	126.013	4.989	205.117	231.11	0.965
20	17	9	83.993	7.515	129.179	176.66	0.928
20	17	11	61.275	10.305	73.726	260.02	0.860
20	17	13	64.578	10.240	84.046	293.93	0.877
20	17	15	55.248	10.896	53.944	38.89	0.537
20	17	17	57.441	10.928	45.275	183.58	0.933
20	17	19	55.853	11.578	35.070	202.12	0.930
20	17	21	47.875	11.830	55.114	193.13	0.716
20	17	23	47.220	12.118	42.938	15.96	0.845
20	18	0	118.935	5.756	104.651	0.00	0.586
20	18	2	46.629	9.912	22.708	23.93	0.800
20	18	4	35.944	10.284	9.558	38.02	0.397
20	18	6	85.205	5.736	149.336	284.49	0.782
20	18	8	31.886	9.397	6.791	103.74	0.434
20	18	10	43.641	11.570	20.723	11.71	0.776
20	18	12	58.268	10.384	76.289	290.90	0.742
20	18	14	69.054	9.483	123.093	224.92	0.798
20	18	16	36.140	10.699	13.292	250.83	0.798
20	18	18	38.020	10.222	31.819	270.54	0.673
20	18	20	26.373	8.973	2.410	236.00	0.475
20	18	22	33.664	10.674	1.429	141.28	0.071
20	19	1	53.377	10.066	62.512	189.11	0.774
20	19	3	58.889	9.391	66.397	236.62	0.865
20	19	5	39.487	10.699	6.684	346.08	0.108
20	19	7	31.261	9.159	5.600	292.03	0.353
20	19	9	66.182	9.610	71.512	58.15	0.901
20	19	11	36.429	10.834	16.617	205.65	0.813
20	19	13	32.799	10.045	4.863	118.64	0.819
20	19	15	106.182	7.593	172.241	315.57	0.971
20	19	17	36.136	10.917	22.780	67.99	0.476
20	19	19	43.918	11.049	45.702	114.08	0.701
20	19	21	35.499	11.653	7.529	282.21	0.176
20	20	0	75.453	13.206	110.195	180.00	0.999
20	20	2	69.111	8.392	104.850	276.44	0.869
20	20	4	33.586	10.039	8.741	309.93	0.363
20	20	6	24.164	8.213	6.974	154.16	0.294
20	20	8	26.860	8.728	3.980	354.14	0.526
20	20	10	33.223	10.394	8.794	104.21	0.774
20	20	12	60.561	10.738	71.323	171.57	0.922
20	20	14	38.110	10.852	17.169	90.28	0.807
20	20	16	91.418	8.764	150.093	137.46	0.957
20	20	18	39.283	11.365	28.064	306.28	0.726
20	21	1	40.605	12.091	35.307	352.43	0.776
20	21	3	45.842	10.864	55.386	232.61	0.694
20	21	5	52.289	11.820	65.559	185.11	0.865
20	21	7	64.518	9.275	106.874	230.30	0.894
20	21	9	92.272	6.526	116.482	348.72	0.972
20	21	11	73.993	11.281	128.358	221.69	0.796
20	21	13	57.501	12.099	69.778	241.25	0.614
20	21	15	58.531	12.104	42.230	6.45	0.338
20	21	17	42.330	11.808	37.186	284.41	0.724
20	22	0	54.550	17.149	75.996	180.00	0.999
20	22	2	29.307	9.377	9.230	34.32	0.590
20	22	4	29.795	9.687	8.342	152.92	0.268
20	22	6	33.159	10.149	14.920	246.23	0.349
20	22	8	41.521	10.959	22.846	66.88	0.348
20	22	10	59.116	10.151	88.894	64.27	0.883
20	22	12	38.617	10.891	27.893	301.73	0.457
20	22	14	39.964	11.541	34.650	353.88	0.674
20	23	1	46.692	13.260	40.520	280.17	0.852
20	23	3	53.458	10.606	75.369	331.66	0.841
20	23	5	39.021	11.002	14.855	13.17	0.217
20	23	7	26.973	8.926	1.405	352.01	0.623
20	23	9	39.643	10.548	29.702	124.23	0.518
20	23	11	34.812	10.428	12.862	297.18	0.769

20	24	0	76.146	18.399	100.822	180.00	1.000
20	24	2	28.159	9.077	8.039	212.61	0.562
20	24	4	35.711	10.997	25.264	9.46	0.633
20	24	6	38.079	11.043	25.528	42.59	0.425
20	24	8	37.406	11.036	27.186	337.84	0.508
20	25	1	38.877	11.274	12.599	147.67	0.836
21	0	3	393.447	8.505	597.651	180.00	1.000
21	0	5	22.037	14.224	16.635	0.00	0.509
21	0	7	175.488	5.086	266.210	0.00	1.000
21	0	9	40.937	15.204	19.200	180.00	0.312
21	0	11	44.418	13.215	66.378	0.00	0.997
21	0	13	188.240	4.087	283.324	180.00	1.000
21	0	15	90.314	7.550	134.908	0.00	0.999
21	0	17	27.560	12.548	6.673	0.00	0.164
21	0	19	28.430	12.770	36.613	0.00	0.878
21	0	21	41.824	15.131	15.339	0.00	0.254
21	0	23	126.303	8.636	183.878	0.00	1.000
21	0	25	70.348	13.635	98.142	180.00	0.988
21	0	27	25.555	12.183	13.334	0.00	0.374
21	0	29	35.827	15.088	33.914	0.00	0.709
21	1	2	107.114	5.370	201.727	190.34	0.895
21	1	4	242.055	4.552	386.698	277.20	0.989
21	1	6	91.190	4.635	135.043	156.55	0.606
21	1	8	146.171	4.784	246.095	157.48	0.963
21	1	10	115.317	6.467	133.083	185.58	0.959
21	1	12	81.470	5.136	115.651	266.28	0.920
21	1	14	51.334	9.246	33.283	311.45	0.844
21	1	16	163.996	3.680	243.969	303.64	0.983
21	1	18	61.280	9.455	65.561	300.44	0.857
21	1	20	245.217	3.362	353.297	278.68	0.993
21	1	22	60.069	10.744	66.590	322.21	0.578
21	1	24	100.793	7.163	141.646	74.02	0.955
21	1	26	71.667	10.985	58.575	257.04	0.957
21	1	28	34.911	10.884	22.874	290.65	0.572
21	1	30	113.484	6.342	188.559	318.16	0.973
21	2	1	113.377	4.758	134.346	164.41	0.957
21	2	3	90.831	4.649	116.549	353.77	0.929
21	2	5	236.952	3.483	405.883	354.01	0.987
21	2	7	81.550	5.573	99.271	109.43	0.903
21	2	9	48.120	11.751	18.504	246.48	0.322
21	2	11	134.482	4.425	190.179	197.98	0.975
21	2	13	120.533	3.844	122.882	95.14	0.975
21	2	15	44.852	10.180	24.826	287.75	0.743
21	2	17	212.963	3.006	310.821	74.32	0.990
21	2	19	84.893	6.236	145.162	245.04	0.882
21	2	21	56.479	10.864	66.343	151.47	0.793
21	2	23	153.962	4.501	236.395	309.53	0.981
21	2	25	70.369	10.326	112.652	57.12	0.908
21	2	27	34.016	10.236	16.564	70.57	0.855
21	2	29	90.776	6.927	138.527	86.42	0.961
21	3	0	37.935	17.240	23.868	0.00	0.417
21	3	2	41.082	10.741	14.652	177.81	0.766
21	3	4	320.656	4.173	524.811	98.89	0.993
21	3	6	213.632	2.847	277.912	72.38	0.988
21	3	8	103.549	4.338	158.949	199.24	0.936
21	3	10	124.488	4.684	128.893	263.65	0.978
21	3	12	65.566	10.084	94.650	226.80	0.787
21	3	14	125.239	5.482	244.178	31.75	0.938
21	3	16	95.504	5.400	151.851	22.94	0.871
21	3	18	160.249	5.034	241.035	125.98	0.981
21	3	20	94.354	6.554	123.608	129.18	0.948
21	3	22	38.510	11.066	16.431	229.15	0.405
21	3	24	81.821	7.922	96.271	327.47	0.939
21	3	26	29.031	9.489	0.730	150.96	0.592
21	3	28	72.626	10.892	125.000	85.25	0.870
21	3	30	58.613	12.229	69.291	91.34	0.876
21	4	1	158.644	3.803	233.457	180.88	0.974
21	4	3	121.173	5.253	176.530	8.57	0.951
21	4	5	161.658	4.547	280.854	190.79	0.970
21	4	7	86.699	4.288	135.498	133.86	0.882
21	4	9	166.762	3.217	213.158	313.58	0.986
21	4	11	162.665	4.264	232.132	207.37	0.983
21	4	13	124.029	4.965	141.211	266.74	0.975
21	4	15	70.964	7.210	83.065	4.69	0.911
21	4	17	153.497	3.876	214.406	249.26	0.981
21	4	19	56.310	10.319	62.426	333.12	0.767
21	4	21	152.380	4.598	295.163	174.32	0.971

21	4	23	113.336	8.397	218.852	240.46	0.751
21	4	25	43.525	10.085	27.980	260.05	0.868
21	4	27	49.440	11.442	53.560	250.66	0.798
21	4	29	63.083	10.196	59.312	7.48	0.936
21	5	0	294.099	5.368	447.441	180.00	1.000
21	5	2	277.419	4.003	390.046	276.06	0.993
21	5	4	271.276	4.173	417.165	290.88	0.992
21	5	6	198.970	5.526	380.811	327.78	0.977
21	5	8	184.781	3.886	219.193	326.55	0.990
21	5	10	115.417	4.952	228.652	220.69	0.928
21	5	12	92.722	5.999	111.959	226.49	0.950
21	5	14	41.031	10.158	21.324	12.94	0.709
21	5	16	95.229	6.211	134.217	235.54	0.942
21	5	18	42.355	10.989	14.133	238.24	0.314
21	5	20	134.282	5.711	191.313	76.38	0.978
21	5	22	41.392	10.516	25.019	357.32	0.549
21	5	24	37.548	11.100	14.290	262.09	0.273
21	5	26	53.459	11.040	65.942	71.82	0.702
21	5	28	44.687	11.343	47.665	263.82	0.650
21	5	30	39.799	11.519	21.774	55.90	0.437
21	6	1	99.866	7.848	127.105	357.34	0.938
21	6	3	134.412	4.851	246.553	9.79	0.943
21	6	5	54.310	13.346	7.917	103.37	0.865
21	6	7	116.335	3.509	162.048	107.94	0.968
21	6	9	85.553	6.687	148.862	104.94	0.900
21	6	11	241.566	4.059	320.676	262.45	0.993
21	6	13	229.279	3.649	357.543	307.60	0.991
21	6	15	90.352	9.324	130.768	219.12	0.939
21	6	17	57.373	9.909	49.782	349.17	0.832
21	6	19	30.217	9.921	10.301	309.35	0.452
21	6	21	98.533	5.236	131.092	256.16	0.958
21	6	23	90.748	6.826	154.871	80.07	0.923
21	6	25	51.681	10.780	62.107	305.54	0.851
21	6	27	75.501	8.552	129.630	234.73	0.920
21	6	29	55.462	10.013	76.681	149.13	0.830
21	7	0	29.836	17.949	31.002	180.00	0.697
21	7	2	209.955	4.240	284.771	19.88	0.988
21	7	4	156.548	5.501	240.758	118.69	0.973
21	7	6	164.036	7.819	249.416	209.32	0.982
21	7	8	213.115	3.285	337.533	263.37	0.989
21	7	10	52.990	9.440	51.917	295.66	0.829
21	7	12	113.820	5.659	147.040	301.50	0.967
21	7	14	157.323	3.961	300.901	25.04	0.952
21	7	16	76.051	9.239	126.476	132.56	0.828
21	7	18	62.139	9.685	24.682	325.23	0.915
21	7	20	112.657	5.218	145.193	247.57	0.971
21	7	22	91.493	6.912	161.575	243.25	0.920
21	7	24	88.649	7.984	145.692	252.69	0.954
21	7	26	84.059	8.478	147.717	248.25	0.926
21	7	28	59.654	10.619	81.853	60.75	0.885
21	8	1	115.404	6.146	156.802	165.42	0.966
21	8	3	197.015	4.525	340.038	93.03	0.987
21	8	5	97.919	11.059	110.540	114.85	0.958
21	8	7	285.144	4.274	457.477	79.66	0.994
21	8	9	112.741	4.788	161.731	211.73	0.967
21	8	11	131.137	5.151	208.310	175.36	0.968
21	8	13	127.167	5.708	203.206	104.25	0.968
21	8	15	82.700	7.124	133.822	275.66	0.897
21	8	17	171.380	4.359	249.786	104.79	0.984
21	8	19	31.938	9.696	1.198	314.24	0.241
21	8	21	38.343	10.682	8.089	160.23	0.568
21	8	23	44.717	10.821	41.451	235.03	0.490
21	8	25	73.251	8.626	89.021	82.32	0.949
21	8	27	50.834	11.691	51.737	82.09	0.878
21	9	0	173.060	8.641	262.431	180.00	1.000
21	9	2	56.818	11.993	21.972	190.68	0.897
21	9	4	143.168	6.416	179.008	123.16	0.980
21	9	6	131.184	7.440	258.020	142.24	0.956
21	9	8	119.046	7.304	180.574	278.35	0.965
21	9	10	141.575	4.513	216.297	108.09	0.976
21	9	12	40.557	11.578	12.789	2.25	0.339
21	9	14	108.483	4.378	155.324	23.16	0.960
21	9	16	96.147	6.592	176.967	162.97	0.893
21	9	18	151.087	4.531	257.761	322.86	0.978
21	9	20	41.042	10.760	17.049	255.00	0.690
21	9	22	97.853	7.308	155.031	140.35	0.967
21	9	24	69.945	9.803	94.004	108.74	0.933

21	9	26	54.926	11.030	65.376	137.92	0.880
21	9	28	36.316	10.400	7.153	274.74	0.130
21	10	1	78.158	9.536	122.400	282.46	0.895
21	10	3	63.401	15.282	75.465	262.33	0.852
21	10	5	128.097	7.574	197.413	78.35	0.969
21	10	7	241.020	3.922	426.896	331.54	0.990
21	10	9	122.011	5.136	136.775	77.42	0.976
21	10	11	157.902	5.998	242.182	27.98	0.981
21	10	13	83.663	12.364	71.805	279.45	0.946
21	10	15	97.932	5.525	154.705	5.57	0.937
21	10	17	58.214	10.837	65.429	177.81	0.565
21	10	19	53.774	11.122	54.371	14.21	0.821
21	10	21	58.813	9.170	56.839	330.62	0.932
21	10	23	51.121	10.796	27.165	142.38	0.919
21	10	25	77.761	8.871	114.031	167.50	0.946
21	10	27	26.004	8.905	4.127	273.55	0.363
21	11	0	156.632	11.586	236.410	180.00	1.000
21	11	2	97.007	9.923	128.073	272.66	0.951
21	11	4	208.575	6.225	345.421	29.33	0.988
21	11	6	153.237	4.036	188.436	42.54	0.983
21	11	8	230.128	3.818	394.251	135.74	0.990
21	11	10	60.223	10.895	72.135	197.72	0.614
21	11	12	27.264	8.698	7.558	341.17	0.233
21	11	14	75.769	7.028	108.635	242.74	0.614
21	11	16	86.056	6.657	161.758	125.79	0.884
21	11	18	57.488	11.850	67.517	75.19	0.792
21	11	20	67.711	9.693	29.802	76.50	0.199
21	11	22	53.993	10.630	55.588	243.05	0.900
21	11	24	62.717	10.566	93.430	113.34	0.889
21	11	26	30.196	9.998	8.513	89.35	0.397
21	12	1	37.660	11.293	4.748	165.99	0.698
21	12	3	33.236	9.801	12.980	243.88	0.718
21	12	5	195.483	3.875	234.076	292.43	0.990
21	12	7	48.413	11.855	28.494	272.01	0.808
21	12	9	55.983	11.454	65.388	294.37	0.747
21	12	11	97.177	6.681	171.752	178.79	0.919
21	12	13	132.334	5.766	263.936	210.42	0.953
21	12	15	94.009	5.088	161.587	71.37	0.942
21	12	17	24.371	8.263	10.720	64.04	0.269
21	12	19	31.770	8.956	5.152	67.88	0.657
21	12	21	85.104	8.578	124.854	270.83	0.959
21	12	23	54.709	11.203	56.779	115.64	0.886
21	12	25	38.876	11.682	27.287	174.17	0.679
21	13	0	104.412	13.297	156.804	0.00	1.000
21	13	2	37.276	11.311	7.768	270.41	0.518
21	13	4	46.778	10.182	21.523	334.71	0.810
21	13	6	100.265	11.380	167.593	300.64	0.935
21	13	8	173.727	4.655	277.286	24.92	0.984
21	13	10	113.720	6.232	195.486	344.25	0.953
21	13	12	29.205	9.187	61.259	177.46	0.764
21	13	14	60.267	11.107	30.359	336.88	0.235
21	13	16	81.603	6.597	101.534	214.28	0.940
21	13	18	74.444	8.282	74.814	213.34	0.961
21	13	20	32.720	10.301	4.926	96.14	0.759
21	13	22	33.305	10.400	9.963	102.35	0.702
21	13	24	41.849	12.748	31.965	241.31	0.571
21	14	1	105.068	5.083	148.387	173.24	0.960
21	14	3	43.799	13.242	20.660	118.21	0.393
21	14	5	53.670	11.830	62.569	185.91	0.722
21	14	7	188.887	3.340	309.425	182.34	0.986
21	14	9	134.727	5.543	191.984	126.58	0.975
21	14	11	103.880	6.853	150.814	14.92	0.962
21	14	13	59.474	9.563	74.122	356.72	0.830
21	14	15	81.644	10.246	103.724	42.63	0.932
21	14	17	81.441	7.241	70.048	169.65	0.971
21	14	19	100.257	7.146	218.159	236.77	0.890
21	14	21	43.782	11.504	45.533	86.99	0.642
21	14	23	37.317	10.505	23.751	37.92	0.792
21	15	0	25.775	12.022	10.410	0.00	0.269
21	15	2	67.181	5.783	104.919	260.08	0.815
21	15	4	63.181	6.704	66.655	225.12	0.889
21	15	6	104.411	4.506	138.067	205.06	0.960
21	15	8	74.089	7.933	125.504	300.65	0.868
21	15	10	156.280	4.743	248.811	112.04	0.982
21	15	12	55.624	11.890	64.811	254.39	0.753
21	15	14	73.496	8.213	109.322	32.60	0.898
21	15	16	93.568	6.656	182.173	179.30	0.948

21	15	18	29.951	9.907	7.727	111.15	0.494
21	15	20	42.695	12.154	39.572	345.63	0.734
21	15	22	88.932	8.726	142.352	133.60	0.956
21	16	1	67.728	7.298	105.072	5.05	0.790
21	16	3	30.517	9.403	9.505	144.24	0.508
21	16	5	142.236	3.829	215.483	334.08	0.980
21	16	7	144.769	4.657	253.506	248.28	0.977
21	16	9	169.342	4.523	297.841	258.72	0.983
21	16	11	104.606	7.191	189.327	244.02	0.946
21	16	13	141.415	5.031	244.319	308.15	0.975
21	16	15	41.325	9.281	25.757	333.61	0.350
21	16	17	53.955	12.548	62.892	86.38	0.875
21	16	19	46.646	12.650	50.356	257.38	0.793
21	16	21	38.622	11.748	14.679	268.18	0.846
21	17	0	56.004	13.220	80.577	180.00	0.969
21	17	2	61.909	9.263	44.970	31.39	0.925
21	17	4	97.622	4.992	173.264	155.02	0.939
21	17	6	91.948	6.310	125.594	284.27	0.953
21	17	8	67.218	8.082	89.779	216.43	0.891
21	17	10	54.730	9.927	64.996	211.26	0.655
21	17	12	70.111	10.722	109.681	175.31	0.924
21	17	14	48.104	11.598	60.326	119.00	0.709
21	17	16	39.504	10.672	37.230	117.83	0.646
21	17	18	42.166	11.988	34.562	258.68	0.543
21	17	20	61.221	13.113	76.970	347.81	0.886
21	18	1	89.030	6.199	148.775	121.01	0.932
21	18	3	45.607	9.599	32.759	192.27	0.781
21	18	5	38.487	10.190	22.229	4.01	0.546
21	18	7	58.510	9.025	37.349	253.92	0.906
21	18	9	61.113	8.390	80.943	60.76	0.931
21	18	11	33.187	10.609	15.825	135.62	0.343
21	18	13	40.236	9.828	35.922	300.76	0.768
21	18	15	33.264	10.693	5.325	94.61	0.838
21	18	17	46.187	12.566	44.548	83.54	0.784
21	18	19	46.912	13.078	32.627	100.52	0.863
21	19	0	30.727	13.928	22.856	0.00	0.509
21	19	2	78.091	7.302	125.891	3.09	0.639
21	19	4	63.691	7.650	84.676	293.28	0.935
21	19	6	48.497	11.433	62.058	41.89	0.720
21	19	8	32.397	9.443	22.057	33.19	0.559
21	19	10	39.150	10.569	20.856	48.08	0.844
21	19	12	55.128	11.259	55.227	311.81	0.906
21	19	14	35.318	10.869	15.842	304.05	0.799
21	19	16	33.607	10.690	17.642	261.97	0.700
21	19	18	36.375	11.646	15.625	249.91	0.747
21	20	1	29.500	9.243	11.419	55.36	0.475
21	20	3	83.164	7.000	122.834	81.49	0.961
21	20	5	137.445	4.472	222.587	136.22	0.985
21	20	7	48.144	9.837	51.238	184.05	0.865
21	20	9	46.245	12.190	32.266	85.24	0.429
21	20	11	57.087	11.606	64.674	54.65	0.910
21	20	13	49.048	12.169	44.201	36.62	0.476
21	20	15	56.523	10.016	72.477	307.34	0.889
21	21	0	43.526	17.720	60.203	180.00	0.999
21	21	2	40.459	10.370	34.584	167.10	0.760
21	21	4	36.371	10.290	26.225	149.68	0.636
21	21	6	76.505	12.700	138.597	150.04	0.825
21	21	8	54.217	12.492	47.035	52.84	0.468
21	21	10	70.868	9.994	87.918	202.24	0.562
21	21	12	56.555	12.122	78.004	87.68	0.767
21	21	14	42.742	11.840	33.675	39.82	0.809
21	22	1	62.749	12.272	78.605	286.19	0.918
21	22	3	36.912	11.053	15.748	315.72	0.826
21	22	5	47.416	11.394	58.163	308.10	0.714
21	22	7	30.740	10.190	10.855	166.32	0.549
21	22	9	36.073	11.066	17.228	193.45	0.740
21	22	11	32.307	9.976	15.670	92.48	0.494
21	23	0	24.106	16.753	10.028	0.00	0.329
21	23	2	39.964	11.842	36.724	294.45	0.746
21	23	4	32.315	10.801	5.680	23.94	0.709
21	23	6	39.829	12.926	18.599	179.71	0.353
22	0	4	31.438	16.248	20.841	180.00	0.440
22	0	6	135.535	6.613	207.055	0.00	1.000
22	0	8	69.288	12.895	62.874	180.00	0.600
22	0	10	23.626	11.680	2.564	0.00	0.072
22	0	12	74.217	10.758	111.738	0.00	0.999
22	0	14	33.541	14.620	37.944	0.00	0.761

22	0	16	76.740	14.146	113.218	0.00	0.995
22	0	18	53.799	16.213	77.709	0.00	0.993
22	0	20	25.269	11.939	33.063	0.00	0.897
22	0	22	30.145	13.781	39.593	0.00	0.915
22	0	24	45.461	16.632	5.436	180.00	0.087
22	0	26	44.774	15.930	8.905	0.00	0.147
22	0	28	29.077	13.465	31.011	0.00	0.788
22	1	3	81.691	7.030	107.634	179.30	0.931
22	1	5	146.996	4.280	226.901	62.48	0.979
22	1	7	65.414	6.978	96.747	140.47	0.705
22	1	9	52.970	10.841	48.554	305.25	0.504
22	1	11	130.274	3.603	218.702	53.78	0.968
22	1	13	86.751	7.016	161.551	301.00	0.868
22	1	15	144.299	3.475	263.877	76.54	0.971
22	1	17	143.567	4.396	244.384	86.49	0.973
22	1	19	84.062	7.114	96.014	73.57	0.948
22	1	21	153.653	4.349	283.393	160.87	0.974
22	1	23	39.664	11.019	33.940	227.86	0.567
22	1	25	110.654	6.381	144.805	33.01	0.979
22	1	27	86.735	8.655	94.491	68.86	0.970
22	2	0	16.791	11.301	17.309	180.00	0.741
22	2	2	72.671	8.710	64.978	282.95	0.930
22	2	4	92.238	8.667	141.408	166.13	0.938
22	2	6	199.040	3.378	352.440	181.27	0.985
22	2	8	109.050	4.302	123.135	89.71	0.969
22	2	10	52.790	11.116	54.831	310.34	0.622
22	2	12	46.755	9.532	48.588	28.66	0.672
22	2	14	76.161	6.203	93.468	261.28	0.922
22	2	16	65.309	9.282	92.984	162.41	0.821
22	2	18	125.281	3.883	188.102	59.38	0.974
22	2	20	65.941	8.104	18.669	124.22	0.945
22	2	22	186.414	3.893	260.142	182.67	0.993
22	2	24	119.761	5.913	189.968	10.76	0.980
22	2	26	46.158	11.916	22.123	106.59	0.288
22	2	28	68.490	10.908	90.730	129.75	0.601
22	3	1	128.550	4.949	157.399	227.93	0.977
22	3	3	41.332	9.160	6.270	39.68	0.831
22	3	5	86.209	5.965	87.537	233.89	0.952
22	3	7	126.001	3.272	173.303	223.09	0.972
22	3	9	133.018	3.527	250.721	190.50	0.963
22	3	11	53.577	9.897	57.783	106.91	0.768
22	3	13	61.193	9.789	63.749	17.25	0.870
22	3	15	104.710	4.962	185.947	133.07	0.938
22	3	17	54.034	9.308	55.037	162.34	0.604
22	3	19	143.079	3.782	232.997	13.05	0.978
22	3	21	80.632	8.062	94.981	176.53	0.936
22	3	23	54.621	10.553	75.875	144.25	0.836
22	3	25	53.909	11.528	46.909	352.20	0.906
22	3	27	124.243	6.185	215.072	205.02	0.978
22	4	0	153.792	4.951	235.788	180.00	1.000
22	4	2	254.742	3.952	370.681	236.69	0.994
22	4	4	70.954	10.274	113.630	67.88	0.828
22	4	6	79.463	8.729	112.045	335.54	0.920
22	4	8	193.161	3.294	318.059	353.89	0.987
22	4	10	48.919	8.610	22.306	72.87	0.865
22	4	12	102.010	6.986	182.556	341.60	0.826
22	4	14	153.895	4.898	267.219	127.43	0.976
22	4	16	82.911	6.604	110.989	198.95	0.926
22	4	18	97.672	5.793	159.482	125.11	0.939
22	4	20	71.268	8.988	107.769	345.97	0.873
22	4	22	54.159	10.626	77.486	255.28	0.842
22	4	24	115.058	5.385	178.412	359.26	0.977
22	4	26	32.766	9.971	15.850	199.45	0.371
22	4	28	51.064	10.793	33.436	108.78	0.903
22	5	1	167.961	3.723	279.009	35.12	0.982
22	5	3	38.373	10.403	5.806	75.75	0.669
22	5	5	151.328	5.078	179.785	322.47	0.984
22	5	7	117.495	6.230	152.717	29.62	0.970
22	5	9	181.041	3.491	299.448	193.57	0.985
22	5	11	153.926	3.908	264.635	250.28	0.977
22	5	13	114.368	5.497	217.374	97.30	0.940
22	5	15	91.702	5.426	89.118	221.79	0.960
22	5	17	152.933	3.798	248.333	336.83	0.981
22	5	19	35.818	9.945	11.972	2.37	0.302
22	5	21	29.967	9.567	2.735	250.26	0.120
22	5	23	52.929	10.880	53.149	304.18	0.900
22	5	25	79.616	9.676	132.029	82.15	0.934

22	5	27	61.588	11.585	82.528	188.72	0.885
22	6	0	153.901	7.428	235.210	180.00	0.999
22	6	2	189.481	3.871	311.748	308.95	0.986
22	6	4	187.673	4.162	263.235	170.44	0.988
22	6	6	108.917	9.959	183.921	211.67	0.946
22	6	8	155.077	7.027	257.755	246.00	0.978
22	6	10	77.920	9.262	125.039	125.12	0.883
22	6	12	64.409	8.845	60.585	157.36	0.896
22	6	14	67.319	9.194	102.291	71.78	0.715
22	6	16	71.142	8.953	68.048	268.76	0.918
22	6	18	48.294	11.039	26.479	28.78	0.838
22	6	20	33.646	9.953	3.574	216.90	0.620
22	6	22	50.756	11.664	64.333	94.56	0.711
22	6	24	53.556	11.300	61.442	153.35	0.853
22	6	26	32.089	10.326	8.610	223.59	0.649
22	7	1	158.002	4.657	285.839	320.22	0.975
22	7	3	120.716	5.581	196.824	245.36	0.965
22	7	5	205.986	7.046	316.696	214.47	0.989
22	7	7	80.285	11.750	137.385	285.82	0.833
22	7	9	144.279	4.235	214.641	71.84	0.979
22	7	11	137.323	4.457	164.769	19.90	0.981
22	7	13	118.238	5.695	184.766	245.65	0.964
22	7	15	100.275	5.676	195.227	57.08	0.889
22	7	17	48.424	10.826	38.583	79.21	0.818
22	7	19	132.885	5.251	241.775	123.45	0.965
22	7	21	127.965	5.457	229.881	113.18	0.979
22	7	23	79.753	10.876	110.803	65.15	0.949
22	7	25	111.835	7.130	174.232	342.89	0.977
22	7	27	44.957	12.329	33.464	153.02	0.811
22	8	0	134.131	7.323	205.174	180.00	1.000
22	8	2	164.027	4.716	188.557	342.30	0.986
22	8	4	101.153	7.370	130.359	287.75	0.959
22	8	6	65.203	16.808	76.886	137.36	0.847
22	8	8	88.771	6.021	119.567	10.07	0.946
22	8	10	153.244	3.949	233.568	18.78	0.981
22	8	12	83.046	8.858	134.373	184.86	0.693
22	8	14	44.545	11.997	8.881	282.14	0.838
22	8	16	48.197	9.663	42.379	294.63	0.798
22	8	18	124.993	4.363	217.519	286.53	0.967
22	8	20	62.999	9.826	102.614	8.70	0.886
22	8	22	34.004	10.606	19.096	192.53	0.509
22	8	24	76.269	11.354	112.902	347.90	0.933
22	8	26	42.833	11.630	36.174	186.01	0.790
22	9	1	161.164	5.732	257.592	166.55	0.982
22	9	3	110.774	7.092	163.830	98.73	0.961
22	9	5	216.396	5.159	331.335	219.81	0.990
22	9	7	114.084	7.442	196.383	327.81	0.957
22	9	9	123.593	4.373	162.563	339.93	0.973
22	9	11	109.818	5.131	161.871	194.15	0.962
22	9	13	68.881	9.903	86.799	13.84	0.874
22	9	15	48.273	8.435	40.244	285.07	0.813
22	9	17	32.640	9.530	4.491	353.36	0.526
22	9	19	78.219	7.736	109.509	286.12	0.955
22	9	21	33.368	10.579	9.053	304.27	0.756
22	9	23	33.292	10.650	18.030	120.29	0.419
22	9	25	38.600	11.931	24.380	222.63	0.758
22	10	0	48.290	21.186	24.423	0.00	0.341
22	10	2	45.439	12.105	28.615	354.82	0.490
22	10	4	45.038	13.327	23.757	326.73	0.716
22	10	6	65.049	13.479	66.116	142.71	0.462
22	10	8	64.744	11.781	83.846	320.29	0.853
22	10	10	68.351	9.102	90.345	239.03	0.892
22	10	12	98.306	6.168	97.027	199.93	0.963
22	10	14	92.148	7.106	128.800	201.78	0.951
22	10	16	39.788	9.342	16.330	352.28	0.759
22	10	18	80.211	8.987	118.998	317.43	0.952
22	10	20	66.074	9.327	92.315	193.30	0.926
22	10	22	48.316	13.049	49.770	125.84	0.739
22	10	24	39.305	12.150	28.849	287.75	0.616
22	11	1	140.058	6.176	265.761	352.14	0.967
22	11	3	46.644	12.311	34.427	77.84	0.667
22	11	5	169.149	7.621	216.184	161.77	0.987
22	11	7	91.663	6.432	174.039	217.61	0.758
22	11	9	105.325	5.845	162.223	295.36	0.954
22	11	11	31.448	14.138	35.462	92.99	0.724
22	11	13	121.875	7.202	172.855	176.55	0.973
22	11	15	54.591	10.176	61.185	144.52	0.801

22	11	17	53.328	11.661	75.750	162.59	0.847
22	11	19	29.037	9.282	0.880	239.85	0.736
22	11	21	54.869	11.221	52.684	165.34	0.906
22	11	23	43.952	11.592	34.595	263.60	0.844
22	12	0	55.790	26.407	79.705	180.00	0.993
22	12	2	136.458	6.566	269.554	27.43	0.960
22	12	4	71.233	11.470	108.910	231.48	0.691
22	12	6	86.770	7.945	90.036	203.00	0.950
22	12	8	64.274	12.448	72.255	95.55	0.872
22	12	10	86.315	6.367	69.321	113.58	0.964
22	12	12	51.596	11.955	31.284	4.93	0.327
22	12	14	82.591	8.503	134.215	225.25	0.919
22	12	16	42.185	11.067	36.339	125.87	0.529
22	12	18	75.715	11.666	79.955	201.12	0.956
22	12	20	27.998	9.341	5.940	183.46	0.693
22	12	22	52.294	11.945	47.248	112.25	0.899
22	12	24	56.120	11.872	72.248	74.77	0.820
22	13	1	109.336	7.029	180.990	11.17	0.950
22	13	3	168.158	7.323	229.859	313.56	0.985
22	13	5	62.856	10.280	79.247	138.84	0.775
22	13	7	94.509	12.707	171.096	50.75	0.922
22	13	9	96.877	7.185	120.218	9.90	0.962
22	13	11	51.854	12.218	50.801	355.93	0.681
22	13	13	157.528	6.171	274.772	144.02	0.980
22	13	15	105.567	5.980	166.877	55.31	0.975
22	13	17	38.084	11.473	9.969	301.57	0.180
22	13	19	46.431	12.632	52.507	313.30	0.732
22	13	21	35.179	11.003	15.357	265.29	0.751
22	13	23	42.765	12.129	22.983	190.38	0.327
22	14	0	36.557	23.047	11.158	180.00	0.216
22	14	2	64.976	12.077	100.293	173.85	0.781
22	14	4	68.087	12.513	93.624	21.79	0.880
22	14	6	33.621	9.502	2.795	200.66	0.592
22	14	8	72.800	10.504	74.638	303.05	0.933
22	14	10	142.616	5.019	277.871	356.12	0.971
22	14	12	63.369	9.588	71.198	168.03	0.501
22	14	14	92.890	8.753	171.066	25.38	0.951
22	14	16	54.304	11.769	59.772	32.64	0.893
22	14	18	122.459	6.600	262.236	345.80	0.965
22	14	20	43.810	12.501	37.257	160.62	0.789
22	14	22	34.715	10.882	0.845	151.52	0.043
22	15	1	29.768	9.652	25.759	321.00	0.670
22	15	3	28.496	8.917	5.884	178.37	0.427
22	15	5	56.826	10.143	72.477	216.17	0.834
22	15	7	98.696	12.415	127.945	190.10	0.959
22	15	9	87.332	7.616	167.468	133.13	0.885
22	15	11	114.183	6.376	185.453	353.99	0.979
22	15	13	78.190	9.499	121.843	325.38	0.949
22	15	15	127.753	7.282	198.983	340.27	0.983
22	15	17	48.843	12.404	47.582	298.71	0.861
22	15	19	35.882	10.917	27.717	186.80	0.625
22	15	21	51.041	13.066	53.518	40.30	0.689
22	16	0	54.750	15.651	41.249	180.00	0.512
22	16	2	77.870	7.209	142.463	308.93	0.871
22	16	4	80.016	5.961	118.328	219.25	0.931
22	16	6	55.212	8.183	67.829	185.12	0.826
22	16	8	63.405	8.356	76.060	209.32	0.937
22	16	10	116.853	7.362	167.387	322.85	0.982
22	16	12	86.804	9.147	134.518	44.86	0.959
22	16	14	44.229	12.060	44.690	268.12	0.761
22	16	16	35.440	11.226	17.091	44.95	0.744
22	16	18	39.778	11.419	34.188	177.57	0.617
22	17	1	81.398	6.010	134.693	189.41	0.956
22	17	3	47.590	12.089	51.674	128.13	0.851
22	17	5	71.494	11.544	77.728	101.30	0.954
22	17	7	57.711	12.496	91.343	38.85	0.806
22	17	9	30.886	10.439	12.230	77.61	0.482
22	17	11	33.906	10.390	16.951	62.29	0.578
22	17	13	52.572	10.042	36.249	194.81	0.933
22	17	15	36.288	10.900	11.253	273.45	0.191
22	17	17	59.315	13.545	81.856	17.39	0.778
22	18	0	166.702	12.714	245.639	0.00	1.000
22	18	2	46.549	12.996	39.730	107.92	0.867
22	18	4	55.068	10.712	63.366	3.16	0.910
22	18	6	39.362	11.795	33.826	39.14	0.685
22	18	8	85.025	8.474	106.589	183.33	0.966
22	18	10	38.782	11.955	6.688	109.46	0.131

22	18	12	47.397	11.692	56.809	249.91	0.825
22	18	14	56.840	11.961	65.016	91.50	0.900
22	18	16	28.236	9.309	5.574	75.20	0.185
22	19	1	46.841	14.633	38.011	319.95	0.846
22	19	3	74.380	13.370	71.916	27.92	0.954
22	19	5	32.211	10.557	16.568	106.46	0.567
22	19	7	55.136	15.610	47.906	224.73	0.456
22	19	9	55.448	13.097	77.486	279.22	0.747
22	19	11	81.057	11.533	114.226	36.92	0.950
22	19	13	40.172	12.168	26.495	120.04	0.772
22	20	0	52.768	27.094	59.794	180.00	0.941
22	20	2	45.517	12.498	48.450	214.39	0.776
22	20	4	35.434	11.356	16.724	200.68	0.791
22	20	6	54.775	13.218	66.806	296.43	0.680
22	20	8	80.243	11.587	138.534	131.48	0.926
22	20	10	43.211	12.749	33.324	152.55	0.545
22	20	12	37.828	12.108	23.746	20.25	0.444
22	21	1	33.061	11.577	14.039	291.99	0.554
22	21	3	44.184	12.466	18.255	259.17	0.890
22	21	5	33.398	10.552	18.921	234.02	0.595
22	21	7	40.898	13.491	23.281	195.12	0.497
22	22	2	57.206	13.855	67.979	7.86	0.748
23	0	5	53.823	13.681	73.071	180.00	0.891
23	0	7	50.299	20.165	70.696	180.00	0.940
23	0	9	54.752	15.486	36.967	180.00	0.447
23	0	11	49.423	15.587	41.395	180.00	0.558
23	0	13	44.227	14.304	64.927	0.00	0.981
23	0	15	126.322	6.164	191.953	0.00	1.000
23	0	17	28.341	12.637	26.586	180.00	0.634
23	0	19	41.312	16.258	55.836	0.00	0.941
23	0	21	41.627	15.936	40.711	180.00	0.692
23	0	23	42.382	16.806	27.136	180.00	0.467
23	0	25	46.993	18.792	55.715	0.00	0.912
23	1	4	90.565	7.189	106.169	111.30	0.953
23	1	6	68.664	7.899	77.657	236.14	0.471
23	1	8	97.813	5.014	142.295	282.70	0.953
23	1	10	126.116	5.830	160.404	230.13	0.976
23	1	12	32.493	8.850	4.682	7.24	0.530
23	1	14	90.258	4.123	188.813	80.59	0.854
23	1	16	31.338	8.863	42.051	173.41	0.814
23	1	18	39.955	10.216	2.298	68.21	0.799
23	1	20	92.451	6.891	145.747	74.99	0.965
23	1	22	95.447	7.468	193.796	33.53	0.925
23	1	24	48.116	11.698	25.014	306.99	0.908
23	1	26	32.380	10.710	8.675	336.96	0.378
23	2	1	70.344	8.312	80.364	279.47	0.912
23	2	3	76.329	8.672	99.389	192.33	0.919
23	2	5	34.715	14.532	7.755	283.62	0.581
23	2	7	69.963	7.872	115.331	304.84	0.835
23	2	9	48.602	7.510	13.620	177.86	0.896
23	2	11	65.794	10.405	88.817	216.44	0.873
23	2	13	83.169	7.499	127.557	312.37	0.914
23	2	15	56.507	8.071	61.607	149.77	0.865
23	2	17	95.536	4.923	166.672	307.41	0.942
23	2	19	86.933	7.052	160.982	43.24	0.948
23	2	21	57.033	10.757	81.959	30.61	0.697
23	2	23	47.570	11.805	27.175	127.82	0.906
23	2	25	120.614	7.759	184.234	115.49	0.980
23	3	0	205.799	4.928	318.346	180.00	1.000
23	3	2	167.026	3.595	281.698	268.84	0.983
23	3	4	84.044	6.661	150.747	245.40	0.899
23	3	6	146.401	4.302	171.729	51.90	0.984
23	3	8	81.226	4.777	109.009	8.57	0.930
23	3	10	92.294	4.928	144.110	18.58	0.931
23	3	12	40.054	10.389	17.261	119.72	0.481
23	3	14	76.646	9.806	94.503	270.98	0.935
23	3	16	35.085	9.591	12.016	212.46	0.430
23	3	18	111.935	4.779	169.212	239.04	0.966
23	3	20	43.473	10.990	35.339	264.09	0.841
23	3	22	54.006	11.448	75.596	87.09	0.829
23	3	24	43.592	11.744	36.115	132.50	0.835
23	3	26	36.514	11.530	23.334	209.85	0.497
23	4	1	60.305	8.453	82.465	189.83	0.791
23	4	3	177.522	5.020	333.374	213.78	0.982
23	4	5	112.787	5.776	184.470	190.79	0.961
23	4	7	137.903	5.142	181.883	68.15	0.979
23	4	9	118.662	4.134	194.596	164.22	0.962

23	4	11	57.764	8.611	56.711	267.89	0.510
23	4	13	96.204	6.574	132.534	100.12	0.960
23	4	15	59.356	10.743	62.974	305.93	0.882
23	4	17	40.807	11.049	12.558	3.04	0.741
23	4	19	34.220	10.003	18.456	350.38	0.498
23	4	21	52.837	11.569	53.939	105.64	0.482
23	4	23	79.835	9.322	116.903	44.72	0.954
23	4	25	55.092	11.860	56.780	353.75	0.901
23	5	0	259.028	7.624	399.544	0.00	1.000
23	5	2	46.368	11.628	23.255	283.14	0.789
23	5	4	128.601	6.206	180.359	146.69	0.976
23	5	6	222.560	6.159	373.207	171.32	0.990
23	5	8	34.110	9.919	2.303	267.13	0.569
23	5	10	33.279	8.819	14.083	172.98	0.360
23	5	12	92.132	6.424	139.266	215.98	0.939
23	5	14	59.263	11.439	79.826	309.09	0.714
23	5	16	144.699	4.837	256.480	348.14	0.976
23	5	18	128.842	5.546	236.314	135.21	0.980
23	5	20	54.970	11.984	54.517	339.02	0.486
23	5	22	44.441	12.296	43.362	325.60	0.627
23	5	24	53.484	12.116	71.307	350.73	0.808
23	6	1	44.907	10.267	33.786	88.12	0.760
23	6	3	88.331	6.305	137.739	75.22	0.935
23	6	5	93.185	9.983	27.143	234.41	0.143
23	6	7	174.416	7.376	320.640	306.50	0.981
23	6	9	114.951	5.135	213.487	41.36	0.950
23	6	11	61.823	8.951	86.613	118.41	0.755
23	6	13	131.443	4.881	245.982	113.77	0.969
23	6	15	110.781	5.701	160.881	308.07	0.968
23	6	17	66.441	9.236	98.160	186.84	0.713
23	6	19	59.347	13.123	83.052	225.91	0.870
23	6	21	42.123	11.746	38.664	247.92	0.610
23	6	23	38.958	12.100	9.066	223.27	0.861
23	6	25	38.677	11.538	18.521	347.44	0.421
23	7	0	29.518	17.774	9.814	180.00	0.223
23	7	2	167.655	5.537	267.479	226.77	0.984
23	7	4	84.970	10.862	140.156	135.04	0.907
23	7	6	122.973	6.825	169.885	7.01	0.973
23	7	8	159.688	7.625	206.506	283.54	0.984
23	7	10	63.642	9.225	87.223	281.05	0.821
23	7	12	122.556	4.637	226.917	151.43	0.965
23	7	14	38.036	10.605	10.810	169.79	0.341
23	7	16	101.242	7.483	127.567	79.28	0.963
23	7	18	58.874	12.297	73.497	313.46	0.907
23	7	20	58.386	13.311	79.419	67.09	0.867
23	7	22	63.030	13.154	92.929	244.58	0.822
23	7	24	45.544	12.090	20.156	112.08	0.253
23	8	1	164.079	4.598	312.030	342.61	0.978
23	8	3	110.674	6.356	163.188	164.23	0.962
23	8	5	87.709	13.249	90.854	217.09	0.949
23	8	7	118.203	8.053	196.109	331.72	0.961
23	8	9	34.619	9.820	7.465	189.96	0.372
23	8	11	37.488	10.032	15.117	356.93	0.679
23	8	13	76.818	8.336	84.253	249.14	0.939
23	8	15	42.569	11.544	25.015	195.09	0.551
23	8	17	44.686	11.661	27.268	302.00	0.881
23	8	19	81.027	9.848	107.826	131.95	0.959
23	8	21	39.641	11.973	33.411	10.92	0.606
23	8	23	42.739	12.649	33.731	3.17	0.789
23	9	0	62.352	17.939	83.733	0.00	0.897
23	9	2	34.889	10.957	2.999	309.78	0.467
23	9	4	80.276	10.413	131.168	84.80	0.678
23	9	6	39.628	11.296	14.510	139.45	0.710
23	9	8	68.848	10.318	100.022	83.32	0.884
23	9	10	48.932	9.735	24.313	95.43	0.867
23	9	12	56.081	9.349	43.953	206.64	0.396
23	9	14	56.322	14.143	62.290	308.02	0.754
23	9	16	71.820	11.172	97.843	300.23	0.941
23	9	18	38.655	11.276	30.071	132.46	0.770
23	9	20	41.513	12.105	40.845	228.61	0.679
23	9	22	32.880	10.640	11.375	340.20	0.269
23	10	1	73.920	11.452	118.369	108.27	0.862
23	10	3	46.270	11.722	15.584	280.99	0.813
23	10	5	44.260	13.367	27.732	101.93	0.740
23	10	7	118.681	7.575	209.142	253.48	0.965
23	10	9	84.162	6.014	122.424	239.35	0.945
23	10	11	46.266	13.654	26.108	47.01	0.781

23	10	13	83.350	9.259	108.919	93.32	0.942
23	10	15	32.923	10.372	14.874	235.62	0.393
23	10	17	46.652	11.969	56.537	73.07	0.724
23	10	19	59.065	11.880	89.047	86.55	0.843
23	10	21	34.992	10.865	20.282	197.25	0.714
23	11	0	72.256	17.551	90.098	180.00	0.838
23	11	2	67.958	11.985	68.824	202.32	0.923
23	11	4	101.936	8.377	207.495	82.14	0.925
23	11	6	74.006	15.064	107.812	281.98	0.883
23	11	8	54.586	10.051	32.497	306.89	0.897
23	11	10	50.219	11.716	37.751	319.14	0.831
23	11	12	79.230	9.302	100.272	197.48	0.937
23	11	14	33.765	10.168	19.865	199.07	0.713
23	11	16	47.540	11.708	54.207	90.82	0.803
23	11	18	41.539	11.902	42.666	341.87	0.644
23	11	20	28.534	9.533	8.131	36.62	0.338
23	11	22	37.107	11.072	21.954	27.16	0.502
23	12	1	85.449	11.617	150.213	322.73	0.906
23	12	3	61.820	12.763	60.782	287.80	0.901
23	12	5	109.249	12.024	193.409	347.56	0.951
23	12	7	43.077	11.375	1.902	64.48	0.853
23	12	9	42.902	11.214	17.851	328.86	0.794
23	12	11	113.322	6.439	187.862	171.32	0.978
23	12	13	167.722	6.131	300.454	212.08	0.989
23	12	15	117.054	12.045	165.770	201.82	0.978
23	12	17	39.645	11.354	36.117	348.97	0.712
23	12	19	31.477	10.451	11.468	214.89	0.633
23	12	21	35.707	11.553	20.178	49.40	0.670
23	13	0	47.886	22.816	19.375	0.00	0.284
23	13	2	44.654	12.438	31.920	95.25	0.617
23	13	4	66.566	14.503	90.272	275.90	0.854
23	13	6	54.572	10.682	64.733	58.73	0.773
23	13	8	47.435	13.641	36.477	185.35	0.746
23	13	10	35.741	10.781	17.191	349.33	0.801
23	13	12	54.798	12.177	74.273	285.64	0.865
23	13	14	53.265	11.744	72.463	149.98	0.815
23	13	16	40.173	11.536	26.232	289.73	0.404
23	13	18	48.249	11.795	48.194	78.50	0.854
23	13	20	38.486	12.384	25.896	200.52	0.693
23	14	1	40.337	11.480	16.294	270.40	0.699
23	14	3	40.690	12.881	13.116	294.37	0.388
23	14	5	49.906	14.615	5.094	133.46	0.879
23	14	7	39.675	10.069	38.604	58.99	0.634
23	14	9	55.388	11.697	84.971	274.27	0.818
23	14	11	53.803	12.382	71.605	17.74	0.671
23	14	13	103.145	8.076	101.525	126.86	0.982
23	14	15	45.811	13.013	28.229	58.27	0.887
23	14	17	41.426	12.727	5.705	74.33	0.886
23	14	19	61.771	13.878	59.129	359.99	0.911
23	15	0	53.294	17.804	24.043	0.00	0.312
23	15	2	57.205	11.612	85.594	78.30	0.875
23	15	4	37.569	11.377	26.692	250.59	0.745
23	15	6	45.061	12.207	37.389	306.63	0.428
23	15	8	109.303	13.578	210.845	275.22	0.953
23	15	10	111.501	8.988	211.006	329.85	0.967
23	15	12	77.881	11.687	139.801	53.09	0.889
23	15	14	70.595	11.582	98.913	187.05	0.936
23	15	16	97.392	11.543	152.689	83.80	0.962
23	16	1	40.057	12.247	34.294	148.46	0.611
23	16	3	102.448	13.829	125.888	283.69	0.975
23	16	5	36.730	11.843	19.144	4.31	0.382
23	16	7	55.143	13.480	74.397	241.84	0.761
23	16	9	37.238	12.258	12.397	55.37	0.825
23	16	11	62.435	14.347	90.999	351.63	0.783
23	16	13	86.947	11.333	169.806	210.98	0.906
23	16	15	33.109	14.280	5.933	264.83	0.637
23	17	0	81.915	25.565	92.185	180.00	0.876
23	17	2	47.645	13.931	17.396	79.96	0.901
23	17	4	44.261	14.088	35.834	188.50	0.821
23	17	6	52.663	13.087	57.721	200.25	0.876
23	17	8	80.036	15.026	118.570	119.23	0.935
23	17	10	50.097	13.818	5.717	325.57	0.070
23	17	12	49.036	13.800	55.712	27.95	0.778
23	17	14	33.546	10.984	14.759	58.20	0.467
23	18	1	31.652	10.528	5.861	247.41	0.751
23	18	3	86.591	11.998	160.077	105.30	0.932
23	18	5	57.723	14.124	22.075	115.83	0.214

23	18	7	47.222	13.646	29.815	92.11	0.380
23	18	9	36.848	11.372	23.318	245.21	0.414
23	18	11	37.965	11.841	26.207	355.83	0.739
23	19	0	25.498	18.198	6.761	180.00	0.213
23	19	2	42.426	13.541	36.938	165.61	0.752
23	19	4	82.625	12.947	148.170	40.87	0.905
23	19	6	38.571	11.942	24.307	334.23	0.412
23	19	8	58.087	15.562	54.002	107.09	0.876
23	20	1	37.964	12.179	20.185	99.80	0.765
23	20	3	32.215	10.407	16.491	210.46	0.482
24	0	6	14.159	10.180	8.251	0.00	0.406
24	0	8	54.986	18.422	68.295	0.00	0.832
24	0	10	29.813	18.851	15.912	180.00	0.368
24	0	12	153.908	7.993	236.047	0.00	1.000
24	0	14	35.344	15.482	51.835	180.00	0.993
24	0	16	32.701	15.476	25.580	180.00	0.536
24	0	18	33.700	15.446	12.028	180.00	0.249
24	0	20	31.206	14.858	16.188	180.00	0.367
24	0	22	29.077	13.814	28.739	180.00	0.704
24	1	5	66.445	14.510	93.578	152.47	0.784
24	1	7	32.254	9.741	14.549	25.44	0.630
24	1	9	41.627	9.905	9.013	126.32	0.848
24	1	11	55.716	11.819	45.989	291.01	0.418
24	1	13	54.759	11.642	42.609	32.79	0.884
24	1	15	67.978	11.422	117.401	200.88	0.903
24	1	17	90.446	8.840	142.792	15.87	0.963
24	1	19	35.816	11.338	11.962	350.52	0.788
24	1	21	29.621	10.104	6.352	311.96	0.534
24	1	23	65.937	11.737	86.415	12.45	0.641
24	2	2	91.019	9.675	131.304	168.29	0.943
24	2	4	35.536	13.707	2.492	340.90	0.477
24	2	6	31.988	13.990	4.926	193.30	0.380
24	2	8	124.415	6.504	205.763	228.21	0.972
24	2	10	31.406	8.396	17.769	306.39	0.749
24	2	12	89.328	7.208	124.668	255.16	0.954
24	2	14	55.779	9.745	71.106	329.93	0.662
24	2	16	68.960	11.645	121.177	103.37	0.887
24	2	18	90.999	7.958	150.116	321.81	0.962
24	2	20	32.428	10.405	7.481	12.14	0.787
24	2	22	42.164	12.437	36.936	17.41	0.704
24	3	1	51.153	8.314	37.907	13.69	0.865
24	3	3	97.209	7.683	148.062	133.63	0.950
24	3	5	55.404	15.870	52.348	112.96	0.538
24	3	7	88.135	7.373	96.880	19.40	0.959
24	3	9	139.010	3.481	224.444	147.73	0.979
24	3	11	49.855	9.004	50.257	127.38	0.739
24	3	13	84.334	6.100	52.178	189.67	0.965
24	3	15	99.751	6.132	168.262	182.36	0.969
24	3	17	27.217	9.309	6.449	70.70	0.464
24	3	19	47.049	12.068	51.347	263.99	0.819
24	3	21	52.990	12.299	66.360	323.53	0.684
24	3	23	36.866	11.311	10.601	264.27	0.832
24	4	0	64.752	16.250	98.238	0.00	1.000
24	4	2	85.836	6.145	115.282	88.89	0.945
24	4	4	116.208	5.046	166.014	170.53	0.970
24	4	6	80.968	6.786	125.662	294.65	0.933
24	4	8	109.295	7.154	185.339	260.74	0.962
24	4	10	115.600	4.170	166.620	114.17	0.973
24	4	12	72.313	6.992	115.617	317.54	0.901
24	4	14	119.964	5.624	137.981	293.31	0.978
24	4	16	35.698	10.917	24.493	84.47	0.717
24	4	18	65.829	12.181	108.904	276.05	0.812
24	4	20	67.241	12.109	81.918	179.74	0.936
24	4	22	58.903	12.701	80.244	132.58	0.825
24	5	1	38.307	11.647	8.287	86.31	0.399
24	5	3	84.628	7.817	116.499	203.53	0.938
24	5	5	94.292	6.580	185.159	276.11	0.923
24	5	7	135.009	5.182	235.870	322.32	0.975
24	5	9	57.552	6.792	70.791	301.31	0.869
24	5	11	90.078	10.545	161.505	271.75	0.916
24	5	13	117.404	5.531	206.270	6.62	0.965
24	5	15	34.736	10.401	26.351	317.29	0.600
24	5	17	50.311	11.637	60.012	97.82	0.632
24	5	19	45.595	12.365	42.019	153.12	0.856
24	5	21	38.059	11.907	20.034	186.08	0.376
24	6	0	67.538	12.292	99.433	0.00	0.960
24	6	2	90.467	7.381	115.596	206.68	0.959

24	6	4	34.007	10.422	3.297	358.41	0.666
24	6	6	55.834	11.824	61.646	230.45	0.549
24	6	8	56.179	13.226	69.091	343.70	0.679
24	6	10	40.437	11.080	20.358	305.37	0.649
24	6	12	35.840	9.733	10.591	124.48	0.661
24	6	14	80.791	8.172	107.111	22.09	0.962
24	6	16	83.364	10.081	84.646	88.62	0.969
24	6	18	39.447	11.046	27.714	94.09	0.433
24	6	20	31.522	10.593	12.643	88.63	0.677
24	6	22	33.794	11.411	3.750	15.03	0.147
24	7	1	143.800	4.943	226.353	145.91	0.982
24	7	3	79.379	7.606	107.410	131.19	0.940
24	7	5	75.043	9.829	77.242	331.03	0.943
24	7	7	47.272	13.430	34.646	3.36	0.799
24	7	9	37.246	14.701	8.595	202.51	0.310
24	7	11	69.623	6.918	117.069	311.77	0.874
24	7	13	95.262	6.120	144.028	21.76	0.972
24	7	15	41.048	10.652	36.658	305.18	0.554
24	7	17	70.898	9.708	128.888	31.88	0.897
24	7	19	37.572	11.896	23.632	340.59	0.784
24	7	21	41.535	13.037	32.979	238.17	0.749
24	8	0	32.382	19.208	17.711	0.00	0.373
24	8	2	74.454	9.663	86.198	154.85	0.935
24	8	4	54.691	12.869	34.006	84.36	0.894
24	8	6	53.742	10.775	62.751	51.02	0.707
24	8	8	43.029	13.324	10.642	156.57	0.859
24	8	10	105.653	6.146	150.266	164.29	0.967
24	8	12	42.080	10.625	39.336	357.58	0.836
24	8	14	30.688	9.707	14.770	85.02	0.392
24	8	16	44.602	10.630	43.168	324.03	0.644
24	8	18	58.285	14.161	81.266	238.95	0.787
24	8	20	48.030	14.622	45.957	270.14	0.604
24	9	1	34.737	10.700	3.800	200.13	0.740
24	9	3	54.576	12.009	66.724	232.68	0.784
24	9	5	104.229	7.242	162.741	56.91	0.961
24	9	7	88.838	9.021	121.511	132.46	0.951
24	9	9	64.836	15.306	45.581	238.92	0.348
24	9	11	38.400	12.029	27.185	211.72	0.768
24	9	13	57.015	14.319	73.344	100.64	0.868
24	9	15	82.899	11.878	160.819	197.73	0.880
24	9	17	42.301	11.544	39.246	317.92	0.802
24	9	19	32.767	11.121	8.973	44.52	0.270
24	10	0	26.816	17.204	20.166	180.00	0.518
24	10	2	69.127	12.594	107.942	248.42	0.725
24	10	4	55.318	12.652	42.299	288.90	0.886
24	10	6	55.030	14.441	13.393	342.62	0.905
24	10	8	60.426	12.175	74.877	197.71	0.925
24	10	10	35.501	11.621	12.672	191.86	0.798
24	10	12	36.809	12.476	9.462	22.45	0.819
24	10	14	64.506	14.990	82.268	299.38	0.907
24	10	16	37.815	13.899	27.333	251.11	0.644
24	10	18	49.129	12.775	32.792	67.09	0.363
24	11	1	105.877	7.982	219.313	162.63	0.932
24	11	3	77.081	10.940	133.530	143.32	0.871
24	11	5	40.391	12.099	33.302	2.74	0.459
24	11	7	43.339	13.293	20.560	315.82	0.885
24	11	9	39.867	13.489	15.126	179.79	0.845
24	11	11	67.383	10.661	103.759	77.41	0.923
24	11	13	107.059	13.785	160.295	327.03	0.968
24	11	15	43.649	12.743	44.122	43.17	0.670
24	11	17	42.439	11.870	29.777	190.47	0.832
24	12	0	128.129	9.343	196.377	0.00	1.000
24	12	2	109.423	7.995	185.614	119.74	0.976
24	12	4	37.918	11.717	8.518	96.05	0.137
24	12	6	157.794	6.366	302.850	318.25	0.987
24	12	8	46.794	12.570	51.911	276.33	0.843
24	12	10	44.778	17.981	32.811	220.34	0.716
24	12	12	82.792	11.342	161.127	136.16	0.818
24	12	14	56.007	13.541	78.242	102.00	0.837
24	12	16	70.402	15.607	97.099	90.03	0.901
24	13	1	31.007	10.072	12.963	138.07	0.526
24	13	3	64.464	12.031	51.377	99.86	0.951
24	13	5	73.423	14.226	70.693	75.98	0.954
24	13	7	35.998	11.877	14.274	173.31	0.807
24	13	9	43.618	12.762	44.165	227.86	0.704
24	13	11	121.313	7.274	250.518	309.53	0.972
24	13	13	76.739	12.221	111.856	356.61	0.944

24	13	15	53.956	15.035	61.217	171.46	0.722
24	14	0	29.891	18.029	40.239	0.00	0.958
24	14	2	32.972	10.609	15.669	52.73	0.550
24	14	4	51.367	14.014	22.452	106.27	0.919
24	14	6	50.581	15.097	40.481	296.80	0.442
24	14	8	33.370	11.102	15.867	77.03	0.771
24	14	10	78.679	10.583	126.472	0.50	0.946
24	14	12	48.179	16.913	39.495	267.54	0.667
24	14	14	48.263	12.048	54.626	297.06	0.837
24	15	1	46.695	11.871	47.558	7.59	0.585
24	15	3	40.229	11.568	28.685	251.96	0.820
24	15	5	41.335	12.282	40.421	286.13	0.645
24	15	7	45.386	12.460	52.751	324.54	0.687
24	15	9	42.094	13.913	31.878	359.42	0.525
24	15	11	78.606	11.159	132.572	235.39	0.931
24	15	13	27.940	12.916	1.522	102.73	0.398
24	16	0	28.900	18.615	11.127	180.00	0.289
24	16	2	36.874	11.579	24.477	118.66	0.411
24	16	4	67.567	15.180	83.782	137.64	0.922
24	16	6	35.961	10.944	20.339	197.66	0.768
24	16	8	39.154	11.948	33.966	211.43	0.677
24	16	10	43.279	12.625	41.068	219.76	0.788
24	17	1	42.398	12.474	40.412	25.04	0.588
24	17	3	37.154	12.219	25.736	16.72	0.568
24	17	5	38.253	12.809	24.222	270.13	0.638
24	17	7	44.633	13.342	41.149	231.12	0.598
24	18	0	44.832	22.632	52.391	180.00	0.954
24	18	2	36.243	11.334	18.231	217.96	0.358
25	0	13	33.980	20.828	33.968	180.00	0.733
25	0	17	72.552	25.720	89.345	0.00	0.995
25	0	19	32.253	20.799	32.541	180.00	0.818
25	1	6	41.806	14.085	20.403	79.00	0.689
25	1	8	42.873	16.479	6.772	50.12	0.766
25	1	10	147.776	4.874	250.303	113.88	0.988
25	1	12	39.891	12.165	35.996	152.74	0.749
25	1	14	43.347	13.560	41.691	351.45	0.695
25	1	16	92.797	12.575	162.740	199.42	0.951
25	1	18	34.506	16.225	3.294	79.00	0.261
25	1	20	36.724	17.102	3.629	132.12	0.368
25	2	5	59.605	13.228	70.268	221.44	0.870
25	2	7	97.048	8.871	168.678	42.20	0.694
25	2	9	48.171	18.428	43.711	169.43	0.799
25	2	11	36.522	11.602	11.912	153.12	0.892
25	2	13	42.974	12.096	40.733	36.62	0.822
25	2	15	76.741	14.106	112.219	313.64	0.933
25	2	17	58.419	13.049	77.100	265.75	0.895
25	2	19	98.721	12.660	155.088	214.82	0.961
25	3	2	73.872	9.960	123.808	148.58	0.890
25	3	4	27.904	12.921	25.832	58.37	0.555
25	3	6	102.005	13.761	138.623	208.31	0.960
25	3	8	37.472	14.947	6.294	293.53	0.222
25	3	10	36.090	11.279	22.792	346.76	0.776
25	3	12	36.962	11.484	23.697	300.56	0.447
25	3	14	40.502	12.726	12.079	333.54	0.864
25	3	16	56.160	14.929	70.282	358.21	0.849
25	3	18	57.481	15.389	66.459	7.36	0.671
25	3	20	66.189	15.359	86.647	5.95	0.754
25	4	1	30.669	9.636	9.760	22.25	0.682
25	4	3	35.180	9.626	5.736	295.71	0.196
25	4	5	89.560	11.685	152.312	335.73	0.930
25	4	7	41.322	17.304	6.396	113.24	0.246
25	4	9	75.316	19.115	125.010	271.52	0.814
25	4	11	69.893	14.920	80.155	267.22	0.942
25	4	13	39.312	12.538	31.987	238.48	0.537
25	4	15	40.112	18.657	15.436	359.94	0.821
25	4	17	50.960	14.729	58.513	83.11	0.788
25	4	19	63.350	14.478	78.700	118.07	0.886
25	5	0	97.222	9.707	150.826	180.00	1.000
25	5	2	114.335	6.475	214.955	271.48	0.961
25	5	4	127.744	6.274	244.145	353.23	0.969
25	5	6	77.295	15.018	129.139	76.00	0.797
25	5	8	67.438	15.978	111.815	263.77	0.846
25	5	10	46.594	13.065	50.032	28.57	0.834
25	5	12	52.853	13.299	49.676	0.61	0.898
25	5	14	54.090	15.267	68.317	225.09	0.743
25	5	16	40.272	19.292	7.963	340.52	0.765
25	5	18	63.713	17.191	71.919	237.24	0.677

25	6	1	60.670	12.756	46.206	212.24	0.906
25	6	3	139.337	5.742	206.267	273.59	0.982
25	6	5	34.492	11.285	6.240	211.05	0.627
25	6	7	85.254	13.266	135.688	126.76	0.954
25	6	9	27.869	13.521	17.123	221.53	0.681
25	6	11	57.870	13.533	33.731	138.66	0.290
25	6	13	55.724	14.628	63.100	25.80	0.886
25	6	15	54.256	15.448	61.493	29.57	0.636
25	6	17	52.545	15.553	33.655	228.63	0.899
25	6	19	36.870	12.427	17.144	89.44	0.745
25	7	0	23.144	15.012	2.120	0.00	0.063
25	7	2	36.673	10.602	5.884	338.25	0.731
25	7	4	51.521	12.662	73.243	72.49	0.728
25	7	6	33.895	10.546	21.634	261.12	0.684
25	7	8	105.447	24.688	101.667	99.98	0.966
25	7	10	40.045	12.405	8.204	65.08	0.876
25	7	12	52.842	13.360	58.541	5.19	0.887
25	7	14	39.809	12.063	30.496	317.71	0.818
25	7	16	42.713	13.558	36.693	285.82	0.701
25	7	18	32.918	11.667	10.108	318.26	0.477
25	8	1	64.741	9.157	74.139	196.43	0.948
25	8	3	50.815	16.767	55.685	341.34	0.826
25	8	5	84.997	8.744	144.814	329.08	0.957
25	8	7	85.850	11.333	104.324	163.06	0.968
25	8	9	40.011	18.733	13.817	231.28	0.520
25	8	11	37.484	16.834	10.009	41.21	0.459
25	8	13	44.434	13.439	38.567	56.29	0.821
25	8	15	38.408	11.953	25.528	120.10	0.791
25	8	17	46.919	13.897	46.457	13.96	0.782
25	9	0	76.981	16.759	113.265	180.00	0.999
25	9	2	62.136	11.451	39.837	130.70	0.955
25	9	4	43.112	10.835	36.833	214.48	0.852
25	9	6	50.846	11.306	76.704	343.64	0.770
25	9	8	34.354	11.416	19.411	108.21	0.700
25	9	10	55.106	23.246	31.579	335.91	0.728
25	9	12	38.672	17.242	11.248	31.50	0.469
25	9	14	49.225	14.244	47.036	141.59	0.853
25	9	16	51.954	14.145	15.898	288.75	0.173
25	10	1	50.285	12.363	45.839	2.77	0.901
25	10	3	59.770	11.671	69.828	5.16	0.508
25	10	5	40.238	11.545	13.450	221.39	0.879
25	10	7	32.458	11.000	6.794	160.52	0.771
25	10	9	57.636	14.541	74.829	68.68	0.862
25	10	11	61.164	14.621	79.224	215.80	0.888
25	10	13	67.145	16.285	96.296	256.83	0.803
25	10	15	45.785	18.709	19.769	50.23	0.643
25	11	0	20.429	14.352	3.596	180.00	0.127
25	11	2	42.399	11.663	41.979	172.21	0.754
25	11	4	118.012	7.453	209.029	233.37	0.978
25	11	6	40.741	11.825	39.271	247.39	0.750
25	11	8	40.871	12.660	19.667	82.03	0.866
25	11	10	40.910	12.449	35.947	169.33	0.699
25	11	12	53.356	14.257	67.352	283.32	0.801
25	11	14	40.774	13.521	16.769	297.83	0.286
25	12	1	43.764	11.794	40.428	55.48	0.830
25	12	3	44.949	12.656	49.753	81.53	0.681
25	12	5	46.219	12.845	36.390	346.89	0.410
25	12	7	37.470	11.633	26.729	39.04	0.494
25	12	9	49.403	15.662	51.204	248.08	0.686
25	12	11	60.873	14.059	64.858	311.66	0.914
25	12	13	46.291	14.604	39.332	351.64	0.651
25	13	0	25.303	16.947	13.284	0.00	0.390
25	13	2	67.331	12.240	113.027	346.19	0.878
25	13	4	42.420	12.255	43.251	317.91	0.638
25	13	6	76.186	15.636	121.797	292.62	0.879
25	13	8	37.153	11.731	23.514	252.51	0.520
25	13	10	43.294	14.588	27.986	180.59	0.816
25	14	1	37.913	11.463	28.827	25.75	0.749
25	14	3	47.494	12.880	49.241	279.23	0.560
25	14	5	60.592	12.264	87.397	313.06	0.891
25	14	7	40.518	13.555	31.320	6.17	0.615
25	14	9	45.000	12.792	43.118	62.00	0.794
25	15	0	43.924	22.026	55.216	0.00	0.992
25	15	2	44.451	13.270	35.113	357.25	0.844
25	15	4	34.857	11.244	9.395	73.79	0.795
25	15	6	50.826	13.465	23.173	219.88	0.277

Figure 2 (49 pages)

Table 5

Coordinates of the 3A4 structure

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ATOM	1	CB	TYR	A	25	72.487	110.820	10.819	1.00	97.23	C
ATOM	2	CG	TYR	A	25	71.107	110.469	10.309	1.00	100.82	C
ATOM	3	CD1	TYR	A	25	70.265	111.455	9.805	1.00	102.56	C
ATOM	4	CE1	TYR	A	25	69.008	111.139	9.305	1.00	104.13	C
ATOM	5	CD2	TYR	A	25	70.654	109.149	10.308	1.00	102.04	C
ATOM	6	CE2	TYR	A	25	69.396	108.821	9.812	1.00	102.74	C
ATOM	7	CZ	TYR	A	25	68.577	109.821	9.308	1.00	103.72	C
ATOM	8	OH	TYR	A	25	67.331	109.515	8.797	1.00	103.33	O
ATOM	9	C	TYR	A	25	73.094	110.033	13.086	1.00	92.29	C
ATOM	10	O	TYR	A	25	73.695	110.229	14.143	1.00	93.41	O
ATOM	11	N	TYR	A	25	73.342	112.448	12.482	1.00	93.37	N
ATOM	12	CA	TYR	A	25	72.528	111.207	12.291	1.00	93.90	C
ATOM	13	N	GLY	A	26	72.916	108.818	12.562	1.00	89.43	N
ATOM	14	CA	GLY	A	26	73.386	107.623	13.253	1.00	84.98	C
ATOM	15	C	GLY	A	26	72.333	107.186	14.268	1.00	82.66	C
ATOM	16	O	GLY	A	26	72.176	106.005	14.572	1.00	80.58	O
ATOM	17	N	THR	A	27	71.603	108.172	14.784	1.00	80.91	N
ATOM	18	CA	THR	A	27	70.540	107.975	15.762	1.00	77.69	C
ATOM	19	CB	THR	A	27	70.871	108.671	17.104	1.00	76.20	C
ATOM	20	OG1	THR	A	27	71.149	110.057	16.879	1.00	75.08	O
ATOM	21	CG2	THR	A	27	72.075	108.039	17.751	1.00	75.93	C
ATOM	22	C	THR	A	27	69.273	108.604	15.203	1.00	77.49	C
ATOM	23	O	THR	A	27	68.879	109.690	15.623	1.00	77.61	O
ATOM	24	N	HIS	A	28	68.639	107.928	14.252	1.00	77.19	N
ATOM	25	CA	HIS	A	28	67.424	108.456	13.645	1.00	76.85	C
ATOM	26	CB	HIS	A	28	67.139	107.750	12.314	1.00	79.62	C
ATOM	27	CG	HIS	A	28	65.927	108.270	11.596	1.00	83.48	C
ATOM	28	CD2	HIS	A	28	64.681	107.752	11.462	1.00	84.83	C
ATOM	29	ND1	HIS	A	28	65.914	109.474	10.922	1.00	84.10	N
ATOM	30	CE1	HIS	A	28	64.714	109.676	10.406	1.00	85.01	C
ATOM	31	NE2	HIS	A	28	63.947	108.647	10.719	1.00	85.83	N
ATOM	32	C	HIS	A	28	66.208	108.328	14.558	1.00	74.82	C
ATOM	33	O	HIS	A	28	65.734	109.314	15.122	1.00	75.03	O
ATOM	34	N	SER	A	29	65.711	107.112	14.715	1.00	72.38	N
ATOM	35	CA	SER	A	29	64.525	106.886	15.529	1.00	71.57	C
ATOM	36	CB	SER	A	29	63.976	105.482	15.247	1.00	71.93	C
ATOM	37	OG	SER	A	29	63.499	105.371	13.920	1.00	72.29	O
ATOM	38	C	SER	A	29	64.642	107.070	17.051	1.00	70.35	C
ATOM	39	O	SER	A	29	63.661	106.879	17.769	1.00	71.64	O
ATOM	40	N	HIS	A	30	65.802	107.461	17.561	1.00	67.42	N
ATOM	41	CA	HIS	A	30	65.937	107.582	19.006	1.00	64.78	C
ATOM	42	CB	HIS	A	30	67.397	107.788	19.358	1.00	63.70	C
ATOM	43	CG	HIS	A	30	68.277	106.692	18.857	1.00	63.61	C
ATOM	44	CD2	HIS	A	30	68.009	105.643	18.044	1.00	63.73	C
ATOM	45	ND1	HIS	A	30	69.612	106.596	19.179	1.00	64.49	N
ATOM	46	CE1	HIS	A	30	70.130	105.534	18.586	1.00	63.00	C
ATOM	47	NE2	HIS	A	30	69.179	104.939	17.890	1.00	61.68	N
ATOM	48	C	HIS	A	30	65.075	108.606	19.732	1.00	65.09	C
ATOM	49	O	HIS	A	30	64.891	108.503	20.944	1.00	64.93	O
ATOM	50	N	GLY	A	31	64.538	109.588	19.016	1.00	65.33	N
ATOM	51	CA	GLY	A	31	63.703	110.564	19.690	1.00	65.70	C
ATOM	52	C	GLY	A	31	62.316	110.011	19.977	1.00	65.77	C
ATOM	53	O	GLY	A	31	61.573	110.548	20.802	1.00	64.75	O
ATOM	54	N	LEU	A	32	61.989	108.903	19.316	1.00	65.73	N
ATOM	55	CA	LEU	A	32	60.679	108.284	19.433	1.00	65.94	C
ATOM	56	CB	LEU	A	32	60.594	107.071	18.523	1.00	64.81	C
ATOM	57	CG	LEU	A	32	59.135	106.706	18.258	1.00	63.95	C
ATOM	58	CD1	LEU	A	32	58.480	107.825	17.471	1.00	63.50	C
ATOM	59	CD2	LEU	A	32	59.059	105.425	17.479	1.00	64.10	C
ATOM	60	C	LEU	A	32	60.147	107.878	20.798	1.00	66.97	C
ATOM	61	O	LEU	A	32	59.326	108.577	21.379	1.00	67.82	O
ATOM	62	N	PHE	A	33	60.596	106.742	21.310	1.00	67.60	N
ATOM	63	CA	PHE	A	33	60.083	106.271	22.587	1.00	68.83	C
ATOM	64	CB	PHE	A	33	60.630	104.873	22.879	1.00	67.54	C
ATOM	65	CG	PHE	A	33	60.189	103.848	21.870	1.00	66.46	C
ATOM	66	CD1	PHE	A	33	58.931	103.947	21.283	1.00	66.70	C
ATOM	67	CD2	PHE	A	33	61.021	102.805	21.492	1.00	64.99	C
ATOM	68	CE1	PHE	A	33	58.513	103.029	20.338	1.00	64.61	C

ATOM	69	CE2	PHE	A	33	60.610	101.886	20.551	1.00	63.25	C
ATOM	70	CZ	PHE	A	33	59.356	101.998	19.973	1.00	64.37	C
ATOM	71	C	PHE	A	33	60.234	107.188	23.795	1.00	70.22	C
ATOM	72	O	PHE	A	33	59.866	106.812	24.910	1.00	71.20	O
ATOM	73	N	LYS	A	34	60.763	108.389	23.575	1.00	70.55	N
ATOM	74	CA	LYS	A	34	60.891	109.376	24.645	1.00	69.93	C
ATOM	75	CB	LYS	A	34	62.222	110.131	24.564	1.00	71.90	C
ATOM	76	CG	LYS	A	34	63.387	109.478	25.295	1.00	73.81	C
ATOM	77	CD	LYS	A	34	64.564	110.445	25.394	1.00	75.47	C
ATOM	78	CE	LYS	A	34	65.674	109.886	26.281	1.00	77.21	C
ATOM	79	NZ	LYS	A	34	66.765	110.887	26.537	1.00	77.46	N
ATOM	80	C	LYS	A	34	59.748	110.355	24.417	1.00	68.46	C
ATOM	81	O	LYS	A	34	58.960	110.645	25.319	1.00	68.74	O
ATOM	82	N	LYS	A	35	59.664	110.842	23.186	1.00	66.46	N
ATOM	83	CA	LYS	A	35	58.634	111.784	22.805	1.00	66.62	C
ATOM	84	CB	LYS	A	35	58.909	112.325	21.402	1.00	66.26	C
ATOM	85	CG	LYS	A	35	57.795	113.205	20.830	1.00	66.44	C
ATOM	86	CD	LYS	A	35	57.041	112.502	19.689	1.00	68.59	C
ATOM	87	CE	LYS	A	35	57.939	112.236	18.455	1.00	70.14	C
ATOM	88	NZ	LYS	A	35	58.427	113.466	17.722	1.00	68.43	N
ATOM	89	C	LYS	A	35	57.246	111.161	22.856	1.00	67.15	C
ATOM	90	O	LYS	A	35	56.248	111.871	22.960	1.00	69.70	O
ATOM	91	N	LEU	A	36	57.171	109.838	22.791	1.00	66.62	N
ATOM	92	CA	LEU	A	36	55.878	109.164	22.828	1.00	65.69	C
ATOM	93	CB	LEU	A	36	55.904	107.902	21.961	1.00	66.46	C
ATOM	94	CG	LEU	A	36	54.845	107.819	20.861	1.00	67.00	C
ATOM	95	CD1	LEU	A	36	55.221	108.732	19.694	1.00	66.21	C
ATOM	96	CD2	LEU	A	36	54.729	106.377	20.401	1.00	67.42	C
ATOM	97	C	LEU	A	36	55.500	108.782	24.250	1.00	64.93	C
ATOM	98	O	LEU	A	36	54.343	108.473	24.528	1.00	64.69	O
ATOM	99	N	GLY	A	37	56.484	108.796	25.144	1.00	64.48	N
ATOM	100	CA	GLY	A	37	56.229	108.436	26.530	1.00	62.51	C
ATOM	101	C	GLY	A	37	56.243	106.937	26.802	1.00	60.15	C
ATOM	102	O	GLY	A	37	55.563	106.467	27.718	1.00	59.96	O
ATOM	103	N	ILE	A	38	57.015	106.187	26.016	1.00	57.42	N
ATOM	104	CA	ILE	A	38	57.115	104.737	26.188	1.00	53.23	C
ATOM	105	CB	ILE	A	38	56.985	104.001	24.843	1.00	52.64	C
ATOM	106	CG2	ILE	A	38	57.343	102.529	25.022	1.00	50.88	C
ATOM	107	CG1	ILE	A	38	55.566	104.180	24.291	1.00	49.92	C
ATOM	108	CD1	ILE	A	38	55.459	103.937	22.807	1.00	50.27	C
ATOM	109	C	ILE	A	38	58.451	104.377	26.810	1.00	50.88	C
ATOM	110	O	ILE	A	38	59.499	104.806	26.347	1.00	49.49	O
ATOM	111	N	PRO	A	39	58.427	103.573	27.876	1.00	49.68	N
ATOM	112	CD	PRO	A	39	57.239	102.969	28.503	1.00	47.60	C
ATOM	113	CA	PRO	A	39	59.650	103.159	28.566	1.00	49.00	C
ATOM	114	CB	PRO	A	39	59.116	102.513	29.843	1.00	47.02	C
ATOM	115	CG	PRO	A	39	57.859	101.895	29.384	1.00	47.09	C
ATOM	116	C	PRO	A	39	60.500	102.202	27.741	1.00	50.32	C
ATOM	117	O	PRO	A	39	60.033	101.668	26.734	1.00	49.68	O
ATOM	118	N	GLY	A	40	61.744	101.994	28.183	1.00	52.47	N
ATOM	119	CA	GLY	A	40	62.665	101.094	27.501	1.00	51.82	C
ATOM	120	C	GLY	A	40	64.138	101.407	27.717	1.00	51.53	C
ATOM	121	O	GLY	A	40	64.498	102.457	28.241	1.00	51.14	O
ATOM	122	N	PRO	A	41	65.023	100.482	27.327	1.00	52.79	N
ATOM	123	CD	PRO	A	41	64.712	99.202	26.666	1.00	52.82	C
ATOM	124	CA	PRO	A	41	66.472	100.676	27.476	1.00	51.87	C
ATOM	125	CB	PRO	A	41	67.043	99.319	27.085	1.00	51.42	C
ATOM	126	CG	PRO	A	41	66.049	98.822	26.051	1.00	52.48	C
ATOM	127	C	PRO	A	41	66.936	101.800	26.548	1.00	52.52	C
ATOM	128	O	PRO	A	41	66.505	101.908	25.395	1.00	50.83	O
ATOM	129	N	THR	A	42	67.806	102.647	27.072	1.00	54.30	N
ATOM	130	CA	THR	A	42	68.325	103.778	26.330	1.00	56.06	C
ATOM	131	CB	THR	A	42	68.918	104.810	27.313	1.00	58.36	C
ATOM	132	OG1	THR	A	42	67.937	105.110	28.319	1.00	60.02	O
ATOM	133	CG2	THR	A	42	69.292	106.100	26.590	1.00	58.15	C
ATOM	134	C	THR	A	42	69.373	103.270	25.350	1.00	55.42	C
ATOM	135	O	THR	A	42	70.319	102.585	25.738	1.00	56.47	O
ATOM	136	N	PRO	A	43	69.210	103.606	24.059	1.00	54.46	N
ATOM	137	CD	PRO	A	43	68.068	104.404	23.580	1.00	54.38	C
ATOM	138	CA	PRO	A	43	70.069	103.231	22.934	1.00	53.73	C
ATOM	139	CB	PRO	A	43	69.140	103.401	21.747	1.00	53.99	C
ATOM	140	CG	PRO	A	43	68.422	104.649	22.112	1.00	53.95	C
ATOM	141	C	PRO	A	43	71.370	103.980	22.700	1.00	53.59	C
ATOM	142	O	PRO	A	43	71.499	105.168	22.991	1.00	52.81	O
ATOM	143	N	LEU	A	44	72.327	103.255	22.133	1.00	54.44	N
ATOM	144	CA	LEU	A	44	73.621	103.813	21.772	1.00	53.63	C
ATOM	145	CB	LEU	A	44	74.703	102.736	21.901	1.00	52.03	C

ATOM	146	CG	LEU	A	44	75.283	102.529	23.315	1.00	52.13	C
ATOM	147	CD1	LEU	A	44	74.175	102.432	24.333	1.00	51.70	C
ATOM	148	CD2	LEU	A	44	76.148	101.288	23.348	1.00	51.28	C
ATOM	149	C	LEU	A	44	73.492	104.308	20.317	1.00	54.19	C
ATOM	150	O	LEU	A	44	72.565	103.916	19.591	1.00	53.92	O
ATOM	151	N	PRO	A	45	74.405	105.197	19.885	1.00	54.09	N
ATOM	152	CD	PRO	A	45	75.387	105.835	20.789	1.00	53.59	C
ATOM	153	CA	PRO	A	45	74.470	105.803	18.548	1.00	52.41	C
ATOM	154	CB	PRO	A	45	75.841	106.457	18.551	1.00	52.53	C
ATOM	155	CG	PRO	A	45	75.893	107.013	19.956	1.00	52.88	C
ATOM	156	C	PRO	A	45	74.190	104.997	17.263	1.00	51.21	C
ATOM	157	O	PRO	A	45	73.367	105.433	16.459	1.00	53.06	O
ATOM	158	N	PHE	A	46	74.841	103.867	17.016	1.00	48.25	N
ATOM	159	CA	PHE	A	46	74.505	103.153	15.771	1.00	48.54	C
ATOM	160	CB	PHE	A	46	75.724	102.975	14.868	1.00	50.34	C
ATOM	161	CG	PHE	A	46	76.273	104.252	14.315	1.00	50.91	C
ATOM	162	CD1	PHE	A	46	76.895	105.169	15.140	1.00	51.41	C
ATOM	163	CD2	PHE	A	46	76.206	104.514	12.955	1.00	52.60	C
ATOM	164	CE1	PHE	A	46	77.447	106.323	14.622	1.00	51.58	C
ATOM	165	CE2	PHE	A	46	76.754	105.662	12.430	1.00	52.63	C
ATOM	166	CZ	PHE	A	46	77.378	106.568	13.266	1.00	52.40	C
ATOM	167	C	PHE	A	46	73.916	101.782	16.028	1.00	47.73	C
ATOM	168	O	PHE	A	46	73.130	101.254	15.230	1.00	45.89	O
ATOM	169	N	LEU	A	47	74.346	101.199	17.140	1.00	47.74	N
ATOM	170	CA	LEU	A	47	73.889	99.890	17.569	1.00	47.10	C
ATOM	171	CB	LEU	A	47	74.822	99.356	18.643	1.00	43.89	C
ATOM	172	CG	LEU	A	47	76.261	99.438	18.182	1.00	44.13	C
ATOM	173	CD1	LEU	A	47	77.172	99.371	19.392	1.00	47.38	C
ATOM	174	CD2	LEU	A	47	76.553	98.321	17.201	1.00	43.00	C
ATOM	175	C	LEU	A	47	72.487	100.008	18.143	1.00	47.05	C
ATOM	176	O	LEU	A	47	71.628	99.161	17.892	1.00	48.48	O
ATOM	177	N	GLY	A	48	72.250	101.075	18.899	1.00	45.75	N
ATOM	178	CA	GLY	A	48	70.949	101.235	19.503	1.00	44.59	C
ATOM	179	C	GLY	A	48	70.917	100.292	20.683	1.00	43.31	C
ATOM	180	O	GLY	A	48	71.678	100.455	21.622	1.00	43.12	O
ATOM	181	N	ASN	A	49	70.077	99.275	20.634	1.00	43.40	N
ATOM	182	CA	ASN	A	49	70.008	98.364	21.764	1.00	44.77	C
ATOM	183	CB	ASN	A	49	68.568	98.284	22.288	1.00	43.02	C
ATOM	184	CG	ASN	A	49	68.137	99.544	22.986	1.00	40.49	C
ATOM	185	OD1	ASN	A	49	67.205	100.235	22.551	1.00	39.62	O
ATOM	186	ND2	ASN	A	49	68.821	99.863	24.078	1.00	36.15	N
ATOM	187	C	ASN	A	49	70.493	96.948	21.529	1.00	46.45	C
ATOM	188	O	ASN	A	49	70.174	96.083	22.336	1.00	47.75	O
ATOM	189	N	ILE	A	50	71.270	96.684	20.480	1.00	47.68	N
ATOM	190	CA	ILE	A	50	71.657	95.299	20.253	1.00	49.56	C
ATOM	191	CB	ILE	A	50	72.369	95.059	18.882	1.00	48.68	C
ATOM	192	CG2	ILE	A	50	71.356	95.163	17.756	1.00	50.91	C
ATOM	193	CG1	ILE	A	50	73.509	96.033	18.641	1.00	48.75	C
ATOM	194	CD1	ILE	A	50	74.024	95.948	17.218	1.00	47.43	C
ATOM	195	C	ILE	A	50	72.439	94.564	21.324	1.00	52.49	C
ATOM	196	O	ILE	A	50	72.034	93.475	21.714	1.00	56.55	O
ATOM	197	N	LEU	A	51	73.529	95.123	21.828	1.00	54.24	N
ATOM	198	CA	LEU	A	51	74.330	94.414	22.835	1.00	54.59	C
ATOM	199	CB	LEU	A	51	75.302	95.382	23.474	1.00	54.93	C
ATOM	200	CG	LEU	A	51	76.036	96.210	22.430	1.00	54.23	C
ATOM	201	CD1	LEU	A	51	76.679	97.367	23.135	1.00	53.76	C
ATOM	202	CD2	LEU	A	51	77.070	95.362	21.681	1.00	53.80	C
ATOM	203	C	LEU	A	51	73.524	93.709	23.924	1.00	55.21	C
ATOM	204	O	LEU	A	51	74.050	92.886	24.674	1.00	55.99	O
ATOM	205	N	SER	A	52	72.249	94.049	24.010	1.00	55.51	N
ATOM	206	CA	SER	A	52	71.356	93.445	24.978	1.00	57.50	C
ATOM	207	CB	SER	A	52	70.074	94.248	25.026	1.00	59.27	C
ATOM	208	OG	SER	A	52	70.366	95.622	25.203	1.00	61.71	O
ATOM	209	C	SER	A	52	71.052	92.012	24.546	1.00	58.46	C
ATOM	210	O	SER	A	52	70.568	91.192	25.333	1.00	60.24	O
ATOM	211	N	TYR	A	53	71.338	91.726	23.281	1.00	58.03	N
ATOM	212	CA	TYR	A	53	71.126	90.406	22.702	1.00	56.86	C
ATOM	213	CB	TYR	A	53	71.028	90.511	21.184	1.00	54.79	C
ATOM	214	CG	TYR	A	53	69.764	91.160	20.688	1.00	54.16	C
ATOM	215	CD1	TYR	A	53	69.716	91.756	19.438	1.00	53.52	C
ATOM	216	CE1	TYR	A	53	68.543	92.299	18.947	1.00	54.46	C
ATOM	217	CD2	TYR	A	53	68.605	91.126	21.439	1.00	53.26	C
ATOM	218	CE2	TYR	A	53	67.422	91.662	20.952	1.00	54.53	C
ATOM	219	CZ	TYR	A	53	67.394	92.246	19.707	1.00	54.17	C
ATOM	220	OH	TYR	A	53	66.213	92.767	19.222	1.00	52.72	O
ATOM	221	C	TYR	A	53	72.282	89.484	23.060	1.00	56.85	C
ATOM	222	O	TYR	A	53	72.389	88.375	22.525	1.00	56.68	O

ATOM	223	N	HIS	A	54	73.152	89.940	23.957	1.00	57.10	N
ATOM	224	CA	HIS	A	54	74.291	89.131	24.351	1.00	58.95	C
ATOM	225	CB	HIS	A	54	75.298	89.962	25.151	1.00	62.69	C
ATOM	226	CG	HIS	A	54	74.907	90.202	26.578	1.00	67.09	C
ATOM	227	CD2	HIS	A	54	75.579	89.977	27.735	1.00	67.57	C
ATOM	228	ND1	HIS	A	54	73.707	90.779	26.938	1.00	69.23	N
ATOM	229	CE1	HIS	A	54	73.657	90.900	28.254	1.00	69.88	C
ATOM	230	NE2	HIS	A	54	74.781	90.422	28.760	1.00	69.56	N
ATOM	231	C	HIS	A	54	73.801	87.941	25.156	1.00	58.97	C
ATOM	232	O	HIS	A	54	74.506	86.949	25.312	1.00	58.32	O
ATOM	233	N	LYS	A	55	72.575	88.036	25.656	1.00	61.19	N
ATOM	234	CA	LYS	A	55	71.992	86.935	26.413	1.00	63.10	C
ATOM	235	CB	LYS	A	55	71.241	87.464	27.638	1.00	66.40	C
ATOM	236	CG	LYS	A	55	71.679	86.790	28.947	1.00	71.48	C
ATOM	237	CD	LYS	A	55	73.148	87.099	29.262	1.00	74.69	C
ATOM	238	CE	LYS	A	55	73.698	86.249	30.410	1.00	77.96	C
ATOM	239	NZ	LYS	A	55	74.000	84.831	30.013	1.00	79.60	N
ATOM	240	C	LYS	A	55	71.045	86.128	25.515	1.00	62.07	C
ATOM	241	O	LYS	A	55	70.841	84.931	25.722	1.00	63.26	O
ATOM	242	N	GLY	A	56	70.488	86.786	24.506	1.00	59.72	N
ATOM	243	CA	GLY	A	56	69.586	86.114	23.597	1.00	56.77	C
ATOM	244	C	GLY	A	56	68.324	86.926	23.416	1.00	56.82	C
ATOM	245	O	GLY	A	56	68.168	87.995	23.999	1.00	57.16	O
ATOM	246	N	PHE	A	57	67.418	86.416	22.600	1.00	56.47	N
ATOM	247	CA	PHE	A	57	66.160	87.089	22.333	1.00	57.64	C
ATOM	248	CB	PHE	A	57	65.519	86.466	21.106	1.00	58.01	C
ATOM	249	CG	PHE	A	57	65.831	87.171	19.836	1.00	57.42	C
ATOM	250	CD1	PHE	A	57	66.146	86.452	18.701	1.00	56.70	C
ATOM	251	CD2	PHE	A	57	65.756	88.545	19.759	1.00	57.59	C
ATOM	252	CE1	PHE	A	57	66.374	87.084	17.518	1.00	56.31	C
ATOM	253	CE2	PHE	A	57	65.984	89.185	18.577	1.00	58.80	C
ATOM	254	CZ	PHE	A	57	66.293	88.451	17.450	1.00	58.79	C
ATOM	255	C	PHE	A	57	65.185	86.979	23.500	1.00	59.55	C
ATOM	256	O	PHE	A	57	64.586	87.970	23.945	1.00	60.39	O
ATOM	257	N	CYS	A	58	65.013	85.754	23.971	1.00	59.64	N
ATOM	258	CA	CYS	A	58	64.111	85.475	25.067	1.00	61.60	C
ATOM	259	CB	CYS	A	58	63.942	83.970	25.172	1.00	63.68	C
ATOM	260	SG	CYS	A	58	63.598	83.232	23.560	1.00	66.01	S
ATOM	261	C	CYS	A	58	64.626	86.064	26.378	1.00	62.23	C
ATOM	262	O	CYS	A	58	63.858	86.615	27.160	1.00	61.24	O
ATOM	263	N	MET	A	59	65.924	85.951	26.616	1.00	63.39	N
ATOM	264	CA	MET	A	59	66.502	86.508	27.826	1.00	64.92	C
ATOM	265	CB	MET	A	59	67.995	86.200	27.867	1.00	67.80	C
ATOM	266	CG	MET	A	59	68.288	84.715	27.999	1.00	73.55	C
ATOM	267	SD	MET	A	59	67.440	83.985	29.442	1.00	79.46	S
ATOM	268	CE	MET	A	59	66.571	82.572	28.670	1.00	78.72	C
ATOM	269	C	MET	A	59	66.264	88.022	27.894	1.00	64.34	C
ATOM	270	O	MET	A	59	65.861	88.551	28.931	1.00	64.81	O
ATOM	271	N	PHE	A	60	66.503	88.711	26.784	1.00	62.95	N
ATOM	272	CA	PHE	A	60	66.313	90.152	26.708	1.00	61.95	C
ATOM	273	CB	PHE	A	60	66.774	90.671	25.339	1.00	60.24	C
ATOM	274	CG	PHE	A	60	66.471	92.137	25.093	1.00	58.08	C
ATOM	275	CD1	PHE	A	60	65.684	92.524	24.018	1.00	56.57	C
ATOM	276	CD2	PHE	A	60	67.000	93.125	25.910	1.00	56.97	C
ATOM	277	CE1	PHE	A	60	65.434	93.867	23.757	1.00	56.22	C
ATOM	278	CE2	PHE	A	60	66.753	94.468	25.651	1.00	56.63	C
ATOM	279	CZ	PHE	A	60	65.971	94.837	24.572	1.00	56.40	C
ATOM	280	C	PHE	A	60	64.850	90.503	26.916	1.00	63.05	C
ATOM	281	O	PHE	A	60	64.534	91.508	27.552	1.00	62.66	O
ATOM	282	N	ASP	A	61	63.959	89.674	26.375	1.00	64.97	N
ATOM	283	CA	ASP	A	61	62.519	89.915	26.490	1.00	66.89	C
ATOM	284	CB	ASP	A	61	61.746	89.056	25.481	1.00	67.63	C
ATOM	285	CG	ASP	A	61	61.561	89.756	24.138	1.00	68.17	C
ATOM	286	OD1	ASP	A	61	60.881	89.190	23.263	1.00	69.90	O
ATOM	287	OD2	ASP	A	61	62.084	90.874	23.952	1.00	67.02	O
ATOM	288	C	ASP	A	61	61.947	89.707	27.889	1.00	67.11	C
ATOM	289	O	ASP	A	61	61.030	90.421	28.290	1.00	66.49	O
ATOM	290	N	MET	A	62	62.472	88.731	28.624	1.00	67.99	N
ATOM	291	CA	MET	A	62	61.997	88.502	29.982	1.00	69.17	C
ATOM	292	CB	MET	A	62	62.657	87.269	30.597	1.00	69.46	C
ATOM	293	CG	MET	A	62	62.281	85.962	29.929	1.00	71.52	C
ATOM	294	SD	MET	A	62	60.529	85.538	30.115	1.00	74.87	S
ATOM	295	CE	MET	A	62	60.647	83.906	30.843	1.00	72.91	C
ATOM	296	C	MET	A	62	62.369	89.733	30.799	1.00	70.35	C
ATOM	297	O	MET	A	62	61.518	90.358	31.428	1.00	71.39	O
ATOM	298	N	GLU	A	63	63.646	90.087	30.774	1.00	70.85	N
ATOM	299	CA	GLU	A	63	64.121	91.241	31.510	1.00	71.90	C

ATOM	300	CB	GLU	A	63	65.580	91.518	31.162	1.00	76.76	C
ATOM	301	CG	GLU	A	63	66.541	90.383	31.534	1.00	84.84	C
ATOM	302	CD	GLU	A	63	67.998	90.701	31.185	1.00	90.65	C
ATOM	303	OE1	GLU	A	63	68.894	89.910	31.576	1.00	92.78	O
ATOM	304	OE2	GLU	A	63	68.242	91.742	30.519	1.00	93.44	O
ATOM	305	C	GLU	A	63	63.277	92.474	31.221	1.00	70.79	C
ATOM	306	O	GLU	A	63	62.825	93.138	32.141	1.00	71.84	O
ATOM	307	N	CYS	A	64	63.052	92.772	29.946	1.00	69.43	N
ATOM	308	CA	CYS	A	64	62.268	93.946	29.557	1.00	68.45	C
ATOM	309	CB	CYS	A	64	62.266	94.105	28.038	1.00	69.17	C
ATOM	310	SG	CYS	A	64	63.625	95.067	27.349	1.00	67.64	S
ATOM	311	C	CYS	A	64	60.825	93.961	30.040	1.00	68.01	C
ATOM	312	O	CYS	A	64	60.300	95.008	30.394	1.00	67.27	O
ATOM	313	N	HIS	A	65	60.171	92.809	30.024	1.00	68.03	N
ATOM	314	CA	HIS	A	65	58.789	92.736	30.472	1.00	68.15	C
ATOM	315	CB	HIS	A	65	58.216	91.349	30.197	1.00	67.17	C
ATOM	316	CG	HIS	A	65	56.870	91.125	30.804	1.00	65.29	C
ATOM	317	CD2	HIS	A	65	56.425	90.177	31.662	1.00	64.73	C
ATOM	318	ND1	HIS	A	65	55.790	91.936	30.533	1.00	64.29	N
ATOM	319	CE1	HIS	A	65	54.736	91.495	31.196	1.00	65.88	C
ATOM	320	NE2	HIS	A	65	55.095	90.429	31.889	1.00	64.74	N
ATOM	321	C	HIS	A	65	58.713	93.032	31.963	1.00	68.83	C
ATOM	322	O	HIS	A	65	57.845	93.778	32.418	1.00	68.87	O
ATOM	323	N	LYS	A	66	59.626	92.439	32.724	1.00	69.23	N
ATOM	324	CA	LYS	A	66	59.655	92.662	34.156	1.00	69.32	C
ATOM	325	CB	LYS	A	66	60.772	91.841	34.812	1.00	69.91	C
ATOM	326	CG	LYS	A	66	60.825	92.009	36.323	1.00	71.94	C
ATOM	327	CD	LYS	A	66	61.658	90.935	37.014	1.00	75.09	C
ATOM	328	CE	LYS	A	66	60.823	90.191	38.077	1.00	76.36	C
ATOM	329	NZ	LYS	A	66	61.642	89.569	39.169	1.00	76.47	N
ATOM	330	C	LYS	A	66	59.883	94.144	34.434	1.00	69.30	C
ATOM	331	O	LYS	A	66	59.038	94.817	35.021	1.00	69.76	O
ATOM	332	N	LYS	A	67	61.019	94.653	33.973	1.00	68.61	N
ATOM	333	CA	LYS	A	67	61.401	96.038	34.208	1.00	67.72	C
ATOM	334	CB	LYS	A	67	62.833	96.250	33.719	1.00	68.44	C
ATOM	335	CG	LYS	A	67	63.645	97.170	34.599	1.00	69.83	C
ATOM	336	CD	LYS	A	67	65.146	96.865	34.520	1.00	71.37	C
ATOM	337	CE	LYS	A	67	65.684	96.987	33.103	1.00	72.99	C
ATOM	338	NZ	LYS	A	67	67.158	97.237	33.082	1.00	73.99	N
ATOM	339	C	LYS	A	67	60.505	97.144	33.662	1.00	66.60	C
ATOM	340	O	LYS	A	67	60.024	97.968	34.421	1.00	66.28	O
ATOM	341	N	TYR	A	68	60.264	97.171	32.362	1.00	66.78	N
ATOM	342	CA	TYR	A	68	59.450	98.247	31.797	1.00	68.17	C
ATOM	343	CB	TYR	A	68	59.933	98.567	30.381	1.00	68.57	C
ATOM	344	CG	TYR	A	68	61.408	98.903	30.369	1.00	69.78	C
ATOM	345	CD1	TYR	A	68	61.860	100.153	30.768	1.00	67.92	C
ATOM	346	CE1	TYR	A	68	63.208	100.427	30.841	1.00	67.72	C
ATOM	347	CD2	TYR	A	68	62.357	97.934	30.043	1.00	69.75	C
ATOM	348	CE2	TYR	A	68	63.705	98.203	30.120	1.00	68.32	C
ATOM	349	CZ	TYR	A	68	64.119	99.449	30.517	1.00	68.04	C
ATOM	350	OH	TYR	A	68	65.455	99.723	30.593	1.00	69.83	O
ATOM	351	C	TYR	A	68	57.941	98.063	31.811	1.00	68.83	C
ATOM	352	O	TYR	A	68	57.199	98.916	31.313	1.00	70.60	O
ATOM	353	N	GLY	A	69	57.472	96.955	32.370	1.00	67.97	N
ATOM	354	CA	GLY	A	69	56.040	96.765	32.450	1.00	65.17	C
ATOM	355	C	GLY	A	69	55.349	95.973	31.371	1.00	63.78	C
ATOM	356	O	GLY	A	69	55.818	94.921	30.952	1.00	63.88	O
ATOM	357	N	LYS	A	70	54.212	96.493	30.926	1.00	63.19	N
ATOM	358	CA	LYS	A	70	53.393	95.829	29.922	1.00	63.76	C
ATOM	359	CB	LYS	A	70	51.924	96.094	30.222	1.00	65.75	C
ATOM	360	CG	LYS	A	70	51.537	97.535	29.954	1.00	67.53	C
ATOM	361	CD	LYS	A	70	50.194	97.613	29.252	1.00	71.23	C
ATOM	362	CE	LYS	A	70	50.093	98.861	28.373	1.00	72.87	C
ATOM	363	NZ	LYS	A	70	50.254	100.138	29.132	1.00	74.98	N
ATOM	364	C	LYS	A	70	53.671	96.264	28.486	1.00	63.14	C
ATOM	365	O	LYS	A	70	53.341	95.553	27.537	1.00	63.41	O
ATOM	366	N	VAL	A	71	54.247	97.450	28.336	1.00	61.16	N
ATOM	367	CA	VAL	A	71	54.559	97.999	27.030	1.00	59.82	C
ATOM	368	CB	VAL	A	71	53.464	98.966	26.558	1.00	57.26	C
ATOM	369	CG1	VAL	A	71	54.057	100.009	25.630	1.00	54.84	C
ATOM	370	CG2	VAL	A	71	52.381	98.197	25.842	1.00	55.77	C
ATOM	371	C	VAL	A	71	55.864	98.761	27.113	1.00	61.46	C
ATOM	372	O	VAL	A	71	56.069	99.533	28.049	1.00	63.60	O
ATOM	373	N	TRP	A	72	56.745	98.548	26.141	1.00	60.88	N
ATOM	374	CA	TRP	A	72	58.025	99.233	26.129	1.00	60.89	C
ATOM	375	CB	TRP	A	72	58.985	98.570	27.114	1.00	62.71	C
ATOM	376	CG	TRP	A	72	59.485	97.246	26.667	1.00	63.60	C

ATOM	377	CD2	TRP	A	72	58.809	95.992	26.778	1.00	65.09	C
ATOM	378	CE2	TRP	A	72	59.677	95.004	26.277	1.00	64.82	C
ATOM	379	CE3	TRP	A	72	57.554	95.607	27.259	1.00	66.31	C
ATOM	380	CD1	TRP	A	72	60.695	96.981	26.113	1.00	63.59	C
ATOM	381	NE1	TRP	A	72	60.822	95.635	25.877	1.00	64.73	N
ATOM	382	CZ2	TRP	A	72	59.337	93.653	26.244	1.00	64.89	C
ATOM	383	CZ3	TRP	A	72	57.215	94.260	27.225	1.00	66.69	C
ATOM	384	CH2	TRP	A	72	58.107	93.302	26.722	1.00	65.82	C
ATOM	385	C	TRP	A	72	58.623	99.213	24.737	1.00	59.96	C
ATOM	386	O	TRP	A	72	58.095	98.570	23.838	1.00	60.74	O
ATOM	387	N	GLY	A	73	59.733	99.919	24.563	1.00	58.63	N
ATOM	388	CA	GLY	A	73	60.363	99.968	23.263	1.00	55.80	C
ATOM	389	C	GLY	A	73	61.874	99.938	23.305	1.00	54.31	C
ATOM	390	O	GLY	A	73	62.510	100.315	24.296	1.00	53.05	O
ATOM	391	N	PHE	A	74	62.446	99.457	22.210	1.00	53.22	N
ATOM	392	CA	PHE	A	74	63.889	99.385	22.066	1.00	51.70	C
ATOM	393	CB	PHE	A	74	64.407	98.032	22.530	1.00	51.69	C
ATOM	394	CG	PHE	A	74	63.808	96.884	21.806	1.00	51.97	C
ATOM	395	CD1	PHE	A	74	64.548	96.177	20.880	1.00	51.73	C
ATOM	396	CD2	PHE	A	74	62.500	96.509	22.054	1.00	51.87	C
ATOM	397	CE1	PHE	A	74	63.998	95.116	20.217	1.00	53.51	C
ATOM	398	CE2	PHE	A	74	61.938	95.449	21.396	1.00	53.40	C
ATOM	399	CZ	PHE	A	74	62.685	94.745	20.474	1.00	54.47	C
ATOM	400	C	PHE	A	74	64.234	99.609	20.609	1.00	49.45	C
ATOM	401	O	PHE	A	74	63.355	99.651	19.753	1.00	48.96	O
ATOM	402	N	TYR	A	75	65.514	99.766	20.322	1.00	49.16	N
ATOM	403	CA	TYR	A	75	65.915	99.987	18.944	1.00	48.77	C
ATOM	404	CB	TYR	A	75	66.564	101.357	18.807	1.00	47.24	C
ATOM	405	CG	TYR	A	75	65.677	102.473	19.288	1.00	46.80	C
ATOM	406	CD1	TYR	A	75	65.781	102.962	20.582	1.00	46.22	C
ATOM	407	CE1	TYR	A	75	64.974	103.999	21.018	1.00	44.51	C
ATOM	408	CD2	TYR	A	75	64.731	103.046	18.440	1.00	47.39	C
ATOM	409	CE2	TYR	A	75	63.923	104.075	18.867	1.00	46.62	C
ATOM	410	CZ	TYR	A	75	64.055	104.549	20.157	1.00	44.82	C
ATOM	411	OH	TYR	A	75	63.287	105.607	20.561	1.00	46.52	O
ATOM	412	C	TYR	A	75	66.852	98.920	18.407	1.00	48.48	C
ATOM	413	O	TYR	A	75	67.887	98.618	19.019	1.00	47.33	O
ATOM	414	N	ASP	A	76	66.451	98.324	17.285	1.00	48.41	N
ATOM	415	CA	ASP	A	76	67.268	97.321	16.607	1.00	48.79	C
ATOM	416	CB	ASP	A	76	66.392	96.305	15.882	1.00	48.30	C
ATOM	417	CG	ASP	A	76	66.116	95.085	16.729	1.00	50.59	C
ATOM	418	OD1	ASP	A	76	66.516	95.092	17.906	1.00	51.75	O
ATOM	419	OD2	ASP	A	76	65.507	94.115	16.236	1.00	54.50	O
ATOM	420	C	ASP	A	76	68.076	98.157	15.625	1.00	49.04	C
ATOM	421	O	ASP	A	76	67.761	98.236	14.432	1.00	49.05	O
ATOM	422	N	GLY	A	77	69.108	98.803	16.166	1.00	48.76	N
ATOM	423	CA	GLY	A	77	69.936	99.694	15.382	1.00	49.46	C
ATOM	424	C	GLY	A	77	69.265	101.059	15.413	1.00	49.59	C
ATOM	425	O	GLY	A	77	69.428	101.828	16.354	1.00	48.76	O
ATOM	426	N	GLN	A	78	68.494	101.358	14.375	1.00	50.47	N
ATOM	427	CA	GLN	A	78	67.788	102.627	14.288	1.00	50.59	C
ATOM	428	CB	GLN	A	78	68.442	103.555	13.245	1.00	51.99	C
ATOM	429	CG	GLN	A	78	69.784	104.122	13.688	1.00	55.50	C
ATOM	430	CD	GLN	A	78	70.448	104.969	12.617	1.00	60.93	C
ATOM	431	OE1	GLN	A	78	69.902	105.992	12.185	1.00	63.52	O
ATOM	432	NE2	GLN	A	78	71.641	104.547	12.174	1.00	62.77	N
ATOM	433	C	GLN	A	78	66.360	102.278	13.907	1.00	48.82	C
ATOM	434	O	GLN	A	78	65.580	103.106	13.414	1.00	48.56	O
ATOM	435	N	GLN	A	79	66.034	101.015	14.140	1.00	46.49	N
ATOM	436	CA	GLN	A	79	64.696	100.520	13.886	1.00	45.40	C
ATOM	437	CB	GLN	A	79	64.753	99.176	13.173	1.00	44.29	C
ATOM	438	CG	GLN	A	79	63.414	98.490	13.088	1.00	45.35	C
ATOM	439	CD	GLN	A	79	62.385	99.288	12.323	1.00	44.23	C
ATOM	440	OE1	GLN	A	79	62.433	99.363	11.100	1.00	42.92	O
ATOM	441	NE2	GLN	A	79	61.438	99.885	13.047	1.00	44.92	N
ATOM	442	C	GLN	A	79	64.013	100.384	15.249	1.00	45.05	C
ATOM	443	O	GLN	A	79	64.457	99.621	16.120	1.00	41.90	O
ATOM	444	N	PRO	A	80	62.935	101.156	15.457	1.00	46.32	N
ATOM	445	CD	PRO	A	80	62.438	102.206	14.548	1.00	47.01	C
ATOM	446	CA	PRO	A	80	62.167	101.153	16.703	1.00	46.96	C
ATOM	447	CB	PRO	A	80	61.437	102.492	16.647	1.00	48.56	C
ATOM	448	CG	PRO	A	80	61.113	102.591	15.189	1.00	47.61	C
ATOM	449	C	PRO	A	80	61.206	99.975	16.799	1.00	45.65	C
ATOM	450	O	PRO	A	80	60.378	99.759	15.914	1.00	44.17	O
ATOM	451	N	VAL	A	81	61.325	99.224	17.888	1.00	45.00	N
ATOM	452	CA	VAL	A	81	60.470	98.071	18.116	1.00	46.18	C
ATOM	453	CB	VAL	A	81	61.283	96.793	18.208	1.00	46.74	C

ATOM	454	CG1	VAL	A	81	60.343	95.599	18.215	1.00	46.03	C
ATOM	455	CG2	VAL	A	81	62.268	96.730	17.054	1.00	48.83	C
ATOM	456	C	VAL	A	81	59.679	98.187	19.412	1.00	45.97	C
ATOM	457	O	VAL	A	81	60.256	98.136	20.504	1.00	45.49	O
ATOM	458	N	LEU	A	82	58.360	98.325	19.280	1.00	45.59	N
ATOM	459	CA	LEU	A	82	57.462	98.441	20.427	1.00	45.58	C
ATOM	460	CB	LEU	A	82	56.320	99.386	20.078	1.00	45.29	C
ATOM	461	CG	LEU	A	82	55.423	99.967	21.171	1.00	45.51	C
ATOM	462	CD1	LEU	A	82	54.138	100.478	20.503	1.00	44.30	C
ATOM	463	CD2	LEU	A	82	55.081	98.912	22.217	1.00	46.84	C
ATOM	464	C	LEU	A	82	56.894	97.062	20.817	1.00	47.14	C
ATOM	465	O	LEU	A	82	56.138	96.444	20.060	1.00	47.92	O
ATOM	466	N	ALA	A	83	57.260	96.594	22.002	1.00	47.29	N
ATOM	467	CA	ALA	A	83	56.796	95.306	22.516	1.00	49.28	C
ATOM	468	CB	ALA	A	83	57.866	94.726	23.457	1.00	48.94	C
ATOM	469	C	ALA	A	83	55.452	95.419	23.269	1.00	50.10	C
ATOM	470	O	ALA	A	83	55.410	95.950	24.368	1.00	50.28	O
ATOM	471	N	ILE	A	84	54.355	94.928	22.698	1.00	50.97	N
ATOM	472	CA	ILE	A	84	53.083	95.011	23.407	1.00	52.45	C
ATOM	473	CB	ILE	A	84	51.891	95.240	22.462	1.00	50.38	C
ATOM	474	CG2	ILE	A	84	52.182	96.386	21.544	1.00	50.46	C
ATOM	475	CG1	ILE	A	84	51.600	93.983	21.660	1.00	50.66	C
ATOM	476	CD1	ILE	A	84	50.461	94.162	20.694	1.00	49.32	C
ATOM	477	C	ILE	A	84	52.833	93.746	24.223	1.00	54.89	C
ATOM	478	O	ILE	A	84	53.512	92.741	24.038	1.00	54.83	O
ATOM	479	N	THR	A	85	51.856	93.801	25.128	1.00	57.94	N
ATOM	480	CA	THR	A	85	51.562	92.668	25.997	1.00	60.27	C
ATOM	481	CB	THR	A	85	52.419	92.749	27.281	1.00	59.89	C
ATOM	482	OG1	THR	A	85	53.724	92.207	27.021	1.00	60.53	O
ATOM	483	CG2	THR	A	85	51.763	92.000	28.409	1.00	60.11	C
ATOM	484	C	THR	A	85	50.096	92.527	26.388	1.00	61.82	C
ATOM	485	O	THR	A	85	49.621	91.427	26.669	1.00	62.96	O
ATOM	486	N	ASP	A	86	49.371	93.633	26.417	1.00	63.53	N
ATOM	487	CA	ASP	A	86	47.966	93.550	26.782	1.00	63.95	C
ATOM	488	CB	ASP	A	86	47.358	94.950	26.963	1.00	66.03	C
ATOM	489	CG	ASP	A	86	45.886	94.909	27.374	1.00	66.56	C
ATOM	490	OD1	ASP	A	86	45.269	95.991	27.415	1.00	69.35	O
ATOM	491	OD2	ASP	A	86	45.342	93.814	27.659	1.00	66.04	O
ATOM	492	C	ASP	A	86	47.237	92.809	25.680	1.00	62.81	C
ATOM	493	O	ASP	A	86	47.205	93.250	24.534	1.00	62.39	O
ATOM	494	N	PRO	A	87	46.653	91.659	26.016	1.00	62.43	N
ATOM	495	CD	PRO	A	87	46.776	90.999	27.326	1.00	61.06	C
ATOM	496	CA	PRO	A	87	45.908	90.831	25.065	1.00	63.00	C
ATOM	497	CB	PRO	A	87	45.277	89.784	25.965	1.00	62.92	C
ATOM	498	CG	PRO	A	87	46.357	89.590	27.021	1.00	62.57	C
ATOM	499	C	PRO	A	87	44.877	91.622	24.259	1.00	64.56	C
ATOM	500	O	PRO	A	87	44.458	91.192	23.190	1.00	65.34	O
ATOM	501	N	ASP	A	88	44.471	92.781	24.762	1.00	66.85	N
ATOM	502	CA	ASP	A	88	43.497	93.593	24.041	1.00	68.62	C
ATOM	503	CB	ASP	A	88	42.951	94.710	24.941	1.00	72.03	C
ATOM	504	CG	ASP	A	88	41.426	94.696	25.029	1.00	75.23	C
ATOM	505	OD1	ASP	A	88	40.861	93.603	25.271	1.00	76.51	O
ATOM	506	OD2	ASP	A	88	40.793	95.768	24.860	1.00	76.57	O
ATOM	507	C	ASP	A	88	44.172	94.174	22.804	1.00	68.70	C
ATOM	508	O	ASP	A	88	43.604	94.134	21.710	1.00	68.61	O
ATOM	509	N	MET	A	89	45.383	94.705	22.984	1.00	67.75	N
ATOM	510	CA	MET	A	89	46.159	95.261	21.872	1.00	65.80	C
ATOM	511	CB	MET	A	89	47.439	95.928	22.371	1.00	67.29	C
ATOM	512	CG	MET	A	89	47.268	97.002	23.411	1.00	72.57	C
ATOM	513	SD	MET	A	89	48.878	97.430	24.140	1.00	76.26	S
ATOM	514	CE	MET	A	89	49.564	98.485	22.822	1.00	76.13	C
ATOM	515	C	MET	A	89	46.575	94.114	20.943	1.00	63.04	C
ATOM	516	O	MET	A	89	46.496	94.222	19.720	1.00	62.22	O
ATOM	517	N	ILE	A	90	47.024	93.016	21.541	1.00	59.40	N
ATOM	518	CA	ILE	A	90	47.477	91.870	20.778	1.00	56.15	C
ATOM	519	CB	ILE	A	90	47.883	90.703	21.700	1.00	51.64	C
ATOM	520	CG2	ILE	A	90	48.173	89.491	20.887	1.00	50.44	C
ATOM	521	CG1	ILE	A	90	49.145	91.063	22.481	1.00	49.56	C
ATOM	522	CD1	ILE	A	90	49.759	89.906	23.244	1.00	43.91	C
ATOM	523	C	ILE	A	90	46.480	91.371	19.745	1.00	57.56	C
ATOM	524	O	ILE	A	90	46.881	90.999	18.645	1.00	58.98	O
ATOM	525	N	LYS	A	91	45.189	91.368	20.070	1.00	58.35	N
ATOM	526	CA	LYS	A	91	44.183	90.895	19.114	1.00	58.69	C
ATOM	527	CB	LYS	A	91	42.854	90.615	19.825	1.00	60.46	C
ATOM	528	CG	LYS	A	91	41.715	90.122	18.918	1.00	61.96	C
ATOM	529	CD	LYS	A	91	40.412	90.075	19.719	1.00	64.11	C
ATOM	530	CE	LYS	A	91	39.421	89.040	19.194	1.00	65.19	C

ATOM	531	NZ	LYS	A	91	38.521	88.540	20.298	1.00	63.54	N
ATOM	532	C	LYS	A	91	43.955	91.921	18.010	1.00	57.66	C
ATOM	533	O	LYS	A	91	43.694	91.577	16.860	1.00	56.47	O
ATOM	534	N	THR	A	92	44.073	93.190	18.363	1.00	58.21	N
ATOM	535	CA	THR	A	92	43.848	94.251	17.400	1.00	60.30	C
ATOM	536	CB	THR	A	92	43.804	95.635	18.108	1.00	60.32	C
ATOM	537	OG1	THR	A	92	43.370	95.471	19.470	1.00	58.29	O
ATOM	538	CG2	THR	A	92	42.818	96.559	17.389	1.00	59.88	C
ATOM	539	C	THR	A	92	44.893	94.279	16.276	1.00	61.43	C
ATOM	540	O	THR	A	92	44.577	94.654	15.141	1.00	62.82	O
ATOM	541	N	VAL	A	93	46.129	93.881	16.588	1.00	61.84	N
ATOM	542	CA	VAL	A	93	47.216	93.865	15.596	1.00	61.27	C
ATOM	543	CB	VAL	A	93	48.602	94.162	16.245	1.00	60.23	C
ATOM	544	CG1	VAL	A	93	48.499	95.329	17.215	1.00	60.12	C
ATOM	545	CG2	VAL	A	93	49.116	92.946	16.942	1.00	58.65	C
ATOM	546	C	VAL	A	93	47.301	92.508	14.887	1.00	61.69	C
ATOM	547	O	VAL	A	93	47.642	92.421	13.701	1.00	61.56	O
ATOM	548	N	LEU	A	94	46.988	91.447	15.618	1.00	61.46	N
ATOM	549	CA	LEU	A	94	47.022	90.109	15.055	1.00	62.00	C
ATOM	550	CB	LEU	A	94	47.292	89.086	16.149	1.00	61.13	C
ATOM	551	CG	LEU	A	94	48.733	88.621	16.348	1.00	60.81	C
ATOM	552	CD1	LEU	A	94	49.672	89.481	15.526	1.00	59.77	C
ATOM	553	CD2	LEU	A	94	49.082	88.670	17.827	1.00	58.81	C
ATOM	554	C	LEU	A	94	45.726	89.741	14.357	1.00	63.35	C
ATOM	555	O	LEU	A	94	45.670	88.731	13.661	1.00	63.99	O
ATOM	556	N	VAL	A	95	44.683	90.546	14.546	1.00	64.52	N
ATOM	557	CA	VAL	A	95	43.395	90.263	13.921	1.00	65.45	C
ATOM	558	CB	VAL	A	95	42.382	89.801	14.956	1.00	63.91	C
ATOM	559	CG1	VAL	A	95	41.070	89.498	14.272	1.00	64.17	C
ATOM	560	CG2	VAL	A	95	42.914	88.590	15.687	1.00	62.39	C
ATOM	561	C	VAL	A	95	42.783	91.425	13.140	1.00	67.12	C
ATOM	562	O	VAL	A	95	42.451	91.278	11.964	1.00	67.02	O
ATOM	563	N	LYS	A	96	42.612	92.569	13.794	1.00	69.78	N
ATOM	564	CA	LYS	A	96	42.046	93.738	13.130	1.00	72.87	C
ATOM	565	CB	LYS	A	96	41.504	94.702	14.176	1.00	73.37	C
ATOM	566	CG	LYS	A	96	40.805	93.987	15.326	1.00	74.37	C
ATOM	567	CD	LYS	A	96	39.780	92.963	14.817	1.00	75.90	C
ATOM	568	CE	LYS	A	96	39.159	92.138	15.963	1.00	75.91	C
ATOM	569	NZ	LYS	A	96	38.281	91.016	15.493	1.00	74.20	N
ATOM	570	C	LYS	A	96	43.217	94.350	12.377	1.00	75.61	C
ATOM	571	O	LYS	A	96	43.769	95.384	12.782	1.00	75.69	O
ATOM	572	N	GLU	A	97	43.587	93.700	11.272	1.00	78.30	N
ATOM	573	CA	GLU	A	97	44.740	94.126	10.485	1.00	79.62	C
ATOM	574	CB	GLU	A	97	45.996	93.574	11.148	1.00	77.52	C
ATOM	575	CG	GLU	A	97	45.991	92.039	11.272	1.00	74.56	C
ATOM	576	CD	GLU	A	97	46.271	91.321	9.953	1.00	72.65	C
ATOM	577	OE1	GLU	A	97	46.185	90.074	9.916	1.00	71.21	O
ATOM	578	OE2	GLU	A	97	46.593	91.999	8.956	1.00	69.62	O
ATOM	579	C	GLU	A	97	44.803	93.767	8.996	1.00	82.14	C
ATOM	580	O	GLU	A	97	45.712	94.244	8.318	1.00	82.97	O
ATOM	581	N	CYS	A	98	43.890	92.933	8.484	1.00	84.03	N
ATOM	582	CA	CYS	A	98	43.934	92.536	7.062	1.00	84.98	C
ATOM	583	CB	CYS	A	98	42.690	91.725	6.682	1.00	84.46	C
ATOM	584	SG	CYS	A	98	43.055	90.158	5.834	1.00	82.93	S
ATOM	585	C	CYS	A	98	44.061	93.757	6.152	1.00	86.62	C
ATOM	586	O	CYS	A	98	43.081	94.228	5.571	1.00	88.63	O
ATOM	587	N	TYR	A	99	45.296	94.240	6.035	1.00	87.24	N
ATOM	588	CA	TYR	A	99	45.665	95.424	5.266	1.00	87.46	C
ATOM	589	CB	TYR	A	99	44.919	95.508	3.928	1.00	90.32	C
ATOM	590	CG	TYR	A	99	45.700	96.274	2.882	1.00	93.20	C
ATOM	591	CD1	TYR	A	99	46.499	95.604	1.966	1.00	94.40	C
ATOM	592	CE1	TYR	A	99	47.297	96.289	1.070	1.00	95.69	C
ATOM	593	CD2	TYR	A	99	45.717	97.666	2.870	1.00	94.09	C
ATOM	594	CE2	TYR	A	99	46.517	98.364	1.979	1.00	95.41	C
ATOM	595	CZ	TYR	A	99	47.310	97.670	1.081	1.00	95.63	C
ATOM	596	OH	TYR	A	99	48.143	98.352	0.215	1.00	95.88	O
ATOM	597	C	TYR	A	99	45.343	96.663	6.105	1.00	86.44	C
ATOM	598	O	TYR	A	99	45.838	97.755	5.830	1.00	87.33	O
ATOM	599	N	SER	A	100	44.522	96.467	7.134	1.00	84.74	N
ATOM	600	CA	SER	A	100	44.096	97.527	8.040	1.00	84.28	C
ATOM	601	CB	SER	A	100	43.540	96.911	9.324	1.00	84.57	C
ATOM	602	OG	SER	A	100	42.995	97.900	10.177	1.00	86.04	O
ATOM	603	C	SER	A	100	45.215	98.510	8.379	1.00	83.89	C
ATOM	604	O	SER	A	100	45.078	99.719	8.164	1.00	85.91	O
ATOM	605	N	VAL	A	101	46.310	97.989	8.921	1.00	81.08	N
ATOM	606	CA	VAL	A	101	47.483	98.782	9.277	1.00	77.82	C
ATOM	607	CB	VAL	A	101	47.345	99.476	10.684	1.00	78.44	C

ATOM	608	CG1	VAL	A	101	46.343	98.747	11.541	1.00	79.50	C
ATOM	609	CG2	VAL	A	101	48.697	99.547	11.391	1.00	77.82	C
ATOM	610	C	VAL	A	101	48.620	97.779	9.274	1.00	75.08	C
ATOM	611	O	VAL	A	101	49.489	97.826	8.412	1.00	75.36	O
ATOM	612	N	PHE	A	102	48.583	96.851	10.222	1.00	71.08	N
ATOM	613	CA	PHE	A	102	49.593	95.808	10.324	1.00	67.16	C
ATOM	614	CB	PHE	A	102	49.562	95.194	11.725	1.00	64.40	C
ATOM	615	CG	PHE	A	102	49.602	96.207	12.825	1.00	62.40	C
ATOM	616	CD1	PHE	A	102	48.446	96.585	13.481	1.00	62.97	C
ATOM	617	CD2	PHE	A	102	50.791	96.819	13.174	1.00	61.35	C
ATOM	618	CE1	PHE	A	102	48.479	97.563	14.465	1.00	61.08	C
ATOM	619	CE2	PHE	A	102	50.827	97.793	14.151	1.00	60.14	C
ATOM	620	CZ	PHE	A	102	49.671	98.165	14.796	1.00	59.73	C
ATOM	621	C	PHE	A	102	49.292	94.729	9.275	1.00	65.53	C
ATOM	622	O	PHE	A	102	48.138	94.521	8.912	1.00	67.36	O
ATOM	623	N	THR	A	103	50.320	94.051	8.775	1.00	62.02	N
ATOM	624	CA	THR	A	103	50.100	93.009	7.777	1.00	59.01	C
ATOM	625	CB	THR	A	103	49.556	93.559	6.433	1.00	58.63	C
ATOM	626	OG1	THR	A	103	48.359	94.302	6.657	1.00	57.37	O
ATOM	627	CG2	THR	A	103	49.253	92.410	5.473	1.00	55.39	C
ATOM	628	C	THR	A	103	51.371	92.272	7.430	1.00	56.88	C
ATOM	629	O	THR	A	103	51.351	91.061	7.244	1.00	56.75	O
ATOM	630	N	ASN	A	104	52.473	93.003	7.330	1.00	54.33	N
ATOM	631	CA	ASN	A	104	53.739	92.391	6.954	1.00	54.20	C
ATOM	632	CB	ASN	A	104	54.440	93.270	5.910	1.00	53.80	C
ATOM	633	CG	ASN	A	104	53.459	93.920	4.927	1.00	55.06	C
ATOM	634	OD1	ASN	A	104	52.771	93.233	4.155	1.00	51.87	O
ATOM	635	ND2	ASN	A	104	53.391	95.258	4.956	1.00	53.98	N
ATOM	636	C	ASN	A	104	54.662	92.181	8.148	1.00	53.88	C
ATOM	637	O	ASN	A	104	54.408	92.697	9.237	1.00	53.31	O
ATOM	638	N	ARG	A	105	55.726	91.406	7.947	1.00	53.63	N
ATOM	639	CA	ARG	A	105	56.695	91.170	9.016	1.00	53.18	C
ATOM	640	CB	ARG	A	105	57.084	89.689	9.111	1.00	53.26	C
ATOM	641	CG	ARG	A	105	55.938	88.742	9.468	1.00	53.26	C
ATOM	642	CD	ARG	A	105	56.459	87.392	9.983	1.00	50.67	C
ATOM	643	NE	ARG	A	105	55.407	86.375	10.108	1.00	49.55	N
ATOM	644	CZ	ARG	A	105	54.750	85.831	9.083	1.00	47.99	C
ATOM	645	NH1	ARG	A	105	53.816	84.916	9.307	1.00	46.73	N
ATOM	646	NH2	ARG	A	105	55.024	86.195	7.837	1.00	46.70	N
ATOM	647	C	ARG	A	105	57.935	92.003	8.712	1.00	52.91	C
ATOM	648	O	ARG	A	105	58.051	92.581	7.625	1.00	52.69	O
ATOM	649	N	ARG	A	106	58.853	92.073	9.672	1.00	52.78	N
ATOM	650	CA	ARG	A	106	60.079	92.844	9.495	1.00	52.29	C
ATOM	651	CB	ARG	A	106	60.982	92.689	10.722	1.00	51.57	C
ATOM	652	CG	ARG	A	106	61.706	93.955	11.124	1.00	52.76	C
ATOM	653	CD	ARG	A	106	63.149	93.690	11.506	1.00	55.15	C
ATOM	654	NE	ARG	A	106	63.493	94.204	12.831	1.00	57.65	N
ATOM	655	CZ	ARG	A	106	63.137	93.612	13.971	1.00	59.56	C
ATOM	656	NH1	ARG	A	106	63.482	94.135	15.142	1.00	58.94	N
ATOM	657	NH2	ARG	A	106	62.433	92.487	13.937	1.00	59.63	N
ATOM	658	C	ARG	A	106	60.800	92.303	8.263	1.00	53.34	C
ATOM	659	O	ARG	A	106	60.892	91.089	8.075	1.00	54.18	O
ATOM	660	N	PRO	A	107	61.290	93.192	7.388	1.00	53.35	N
ATOM	661	CD	PRO	A	107	61.053	94.646	7.342	1.00	52.61	C
ATOM	662	CA	PRO	A	107	62.001	92.741	6.188	1.00	53.11	C
ATOM	663	CB	PRO	A	107	61.874	93.933	5.256	1.00	52.71	C
ATOM	664	CG	PRO	A	107	61.948	95.083	6.213	1.00	52.31	C
ATOM	665	C	PRO	A	107	63.445	92.467	6.580	1.00	53.37	C
ATOM	666	O	PRO	A	107	64.042	93.258	7.297	1.00	54.97	O
ATOM	667	N	PHE	A	108	64.009	91.351	6.139	1.00	54.24	N
ATOM	668	CA	PHE	A	108	65.400	91.042	6.488	1.00	55.61	C
ATOM	669	CB	PHE	A	108	65.487	89.715	7.261	1.00	52.51	C
ATOM	670	CG	PHE	A	108	64.893	88.557	6.530	1.00	50.26	C
ATOM	671	CD1	PHE	A	108	65.690	87.528	6.076	1.00	48.21	C
ATOM	672	CD2	PHE	A	108	63.534	88.531	6.244	1.00	49.31	C
ATOM	673	CE1	PHE	A	108	65.145	86.494	5.343	1.00	47.67	C
ATOM	674	CE2	PHE	A	108	62.984	87.510	5.517	1.00	47.48	C
ATOM	675	CZ	PHE	A	108	63.788	86.486	5.060	1.00	47.08	C
ATOM	676	C	PHE	A	108	66.302	90.997	5.248	1.00	57.28	C
ATOM	677	O	PHE	A	108	65.846	91.279	4.130	1.00	57.35	O
ATOM	678	N	GLY	A	109	67.578	90.655	5.470	1.00	58.33	N
ATOM	679	CA	GLY	A	109	68.581	90.580	4.409	1.00	57.12	C
ATOM	680	C	GLY	A	109	68.123	90.277	2.993	1.00	55.65	C
ATOM	681	O	GLY	A	109	66.963	89.955	2.755	1.00	56.42	O
ATOM	682	N	PRO	A	110	69.036	90.357	2.025	1.00	54.88	N
ATOM	683	CD	PRO	A	110	70.478	90.455	2.286	1.00	55.15	C
ATOM	684	CA	PRO	A	110	68.768	90.099	0.603	1.00	56.06	C

ATOM	685	CB	PRO	A	110	70.166	90.134	-0.018	1.00	56.37	C
ATOM	686	CG	PRO	A	110	71.056	89.697	1.126	1.00	56.42	C
ATOM	687	C	PRO	A	110	68.021	88.774	0.353	1.00	56.86	C
ATOM	688	O	PRO	A	110	68.562	87.678	0.554	1.00	57.15	O
ATOM	689	N	VAL	A	111	66.773	88.895	-0.098	1.00	55.98	N
ATOM	690	CA	VAL	A	111	65.904	87.745	-0.340	1.00	55.14	C
ATOM	691	CB	VAL	A	111	64.446	88.114	0.026	1.00	54.36	C
ATOM	692	CG1	VAL	A	111	63.486	87.063	-0.460	1.00	53.92	C
ATOM	693	CG2	VAL	A	111	64.328	88.268	1.521	1.00	54.63	C
ATOM	694	C	VAL	A	111	65.933	87.171	-1.756	1.00	55.54	C
ATOM	695	O	VAL	A	111	65.697	85.978	-1.958	1.00	54.86	O
ATOM	696	N	GLY	A	112	66.203	88.018	-2.742	1.00	57.09	N
ATOM	697	CA	GLY	A	112	66.250	87.534	-4.109	1.00	56.31	C
ATOM	698	C	GLY	A	112	64.884	87.115	-4.593	1.00	55.19	C
ATOM	699	O	GLY	A	112	63.885	87.675	-4.145	1.00	54.30	O
ATOM	700	N	PHE	A	113	64.839	86.125	-5.485	1.00	55.17	N
ATOM	701	CA	PHE	A	113	63.571	85.667	-6.056	1.00	55.67	C
ATOM	702	CB	PHE	A	113	63.809	84.649	-7.178	1.00	55.32	C
ATOM	703	CG	PHE	A	113	63.835	83.228	-6.709	1.00	54.61	C
ATOM	704	CD1	PHE	A	113	64.946	82.714	-6.077	1.00	55.33	C
ATOM	705	CD2	PHE	A	113	62.716	82.425	-6.838	1.00	55.25	C
ATOM	706	CE1	PHE	A	113	64.938	81.423	-5.572	1.00	55.69	C
ATOM	707	CE2	PHE	A	113	62.703	81.135	-6.334	1.00	55.87	C
ATOM	708	CZ	PHE	A	113	63.816	80.637	-5.699	1.00	55.39	C
ATOM	709	C	PHE	A	113	62.644	85.057	-5.015	1.00	56.56	C
ATOM	710	O	PHE	A	113	61.513	84.643	-5.332	1.00	55.90	O
ATOM	711	N	MET	A	114	63.124	84.996	-3.775	1.00	55.95	N
ATOM	712	CA	MET	A	114	62.322	84.443	-2.700	1.00	55.70	C
ATOM	713	CB	MET	A	114	63.225	83.890	-1.605	1.00	55.58	C
ATOM	714	CG	MET	A	114	63.724	82.486	-1.898	1.00	56.08	C
ATOM	715	SD	MET	A	114	62.350	81.320	-2.089	1.00	59.37	S
ATOM	716	CE	MET	A	114	62.338	80.531	-0.479	1.00	59.29	C
ATOM	717	C	MET	A	114	61.365	85.487	-2.144	1.00	56.11	C
ATOM	718	O	MET	A	114	60.611	85.224	-1.212	1.00	55.28	O
ATOM	719	N	LYS	A	115	61.398	86.676	-2.737	1.00	57.87	N
ATOM	720	CA	LYS	A	115	60.520	87.772	-2.335	1.00	59.39	C
ATOM	721	CB	LYS	A	115	60.898	89.036	-3.096	1.00	60.03	C
ATOM	722	CG	LYS	A	115	60.538	88.942	-4.579	1.00	62.72	C
ATOM	723	CD	LYS	A	115	61.187	90.040	-5.429	1.00	63.79	C
ATOM	724	CE	LYS	A	115	60.846	89.863	-6.914	1.00	63.19	C
ATOM	725	NZ	LYS	A	115	61.645	90.757	-7.795	1.00	64.58	N
ATOM	726	C	LYS	A	115	59.097	87.378	-2.720	1.00	59.53	C
ATOM	727	O	LYS	A	115	58.155	88.151	-2.565	1.00	60.04	O
ATOM	728	N	SER	A	116	58.962	86.165	-3.246	1.00	59.54	N
ATOM	729	CA	SER	A	116	57.677	85.648	-3.674	1.00	59.24	C
ATOM	730	CB	SER	A	116	57.808	85.038	-5.080	1.00	62.28	C
ATOM	731	OG	SER	A	116	58.214	86.018	-6.039	1.00	64.93	O
ATOM	732	C	SER	A	116	57.174	84.607	-2.678	1.00	57.16	C
ATOM	733	O	SER	A	116	56.073	84.082	-2.815	1.00	57.57	O
ATOM	734	N	ALA	A	117	57.991	84.309	-1.674	1.00	54.83	N
ATOM	735	CA	ALA	A	117	57.614	83.349	-0.641	1.00	52.47	C
ATOM	736	CB	ALA	A	117	58.785	83.104	0.288	1.00	53.21	C
ATOM	737	C	ALA	A	117	56.449	83.945	0.138	1.00	51.37	C
ATOM	738	O	ALA	A	117	56.425	85.146	0.387	1.00	53.19	O
ATOM	739	N	ILE	A	118	55.491	83.118	0.540	1.00	48.66	N
ATOM	740	CA	ILE	A	118	54.325	83.624	1.250	1.00	45.84	C
ATOM	741	CB	ILE	A	118	53.261	82.533	1.414	1.00	45.19	C
ATOM	742	CG2	ILE	A	118	53.721	81.513	2.424	1.00	43.76	C
ATOM	743	CG1	ILE	A	118	51.942	83.176	1.840	1.00	46.42	C
ATOM	744	CD1	ILE	A	118	50.880	82.191	2.262	1.00	46.17	C
ATOM	745	C	ILE	A	118	54.642	84.228	2.615	1.00	45.17	C
ATOM	746	O	ILE	A	118	53.986	85.170	3.051	1.00	44.11	O
ATOM	747	N	SER	A	119	55.645	83.693	3.296	1.00	45.97	N
ATOM	748	CA	SER	A	119	56.020	84.233	4.595	1.00	46.60	C
ATOM	749	CB	SER	A	119	56.832	83.205	5.390	1.00	47.40	C
ATOM	750	OG	SER	A	119	57.795	82.570	4.570	1.00	50.64	O
ATOM	751	C	SER	A	119	56.825	85.519	4.414	1.00	47.22	C
ATOM	752	O	SER	A	119	56.923	86.333	5.329	1.00	47.14	O
ATOM	753	N	ILE	A	120	57.377	85.709	3.216	1.00	48.57	N
ATOM	754	CA	ILE	A	120	58.179	86.893	2.903	1.00	48.73	C
ATOM	755	CB	ILE	A	120	59.453	86.511	2.098	1.00	49.35	C
ATOM	756	CG2	ILE	A	120	60.417	87.677	2.058	1.00	45.75	C
ATOM	757	CG1	ILE	A	120	60.115	85.272	2.710	1.00	49.35	C
ATOM	758	CD1	ILE	A	120	60.280	85.330	4.206	1.00	51.11	C
ATOM	759	C	ILE	A	120	57.412	87.927	2.079	1.00	48.55	C
ATOM	760	O	ILE	A	120	57.828	89.073	1.981	1.00	47.73	O
ATOM	761	N	ALA	A	121	56.298	87.524	1.483	1.00	49.56	N

ATOM	762	CA	ALA	A	121	55.511	88.427	0.650	1.00	52.17	C
ATOM	763	CB	ALA	A	121	54.506	87.617	-0.172	1.00	48.91	C
ATOM	764	C	ALA	A	121	54.791	89.516	1.465	1.00	55.60	C
ATOM	765	O	ALA	A	121	54.555	89.361	2.673	1.00	53.72	O
ATOM	766	N	GLU	A	122	54.435	90.617	0.800	1.00	59.39	N
ATOM	767	CA	GLU	A	122	53.755	91.723	1.479	1.00	62.79	C
ATOM	768	CB	GLU	A	122	54.736	92.882	1.673	1.00	62.32	C
ATOM	769	CG	GLU	A	122	55.850	92.561	2.645	1.00	64.83	C
ATOM	770	CD	GLU	A	122	56.762	93.736	2.896	1.00	66.24	C
ATOM	771	OE1	GLU	A	122	57.535	93.684	3.881	1.00	66.70	O
ATOM	772	OE2	GLU	A	122	56.707	94.705	2.106	1.00	68.48	O
ATOM	773	C	GLU	A	122	52.463	92.259	0.849	1.00	64.33	C
ATOM	774	O	GLU	A	122	52.199	92.080	-0.339	1.00	64.10	O
ATOM	775	N	ASP	A	123	51.660	92.911	1.686	1.00	67.02	N
ATOM	776	CA	ASP	A	123	50.400	93.530	1.281	1.00	69.33	C
ATOM	777	CB	ASP	A	123	50.691	94.830	0.537	1.00	71.16	C
ATOM	778	CG	ASP	A	123	51.286	95.890	1.439	1.00	73.97	C
ATOM	779	OD1	ASP	A	123	51.652	96.969	0.920	1.00	75.44	O
ATOM	780	OD2	ASP	A	123	51.381	95.647	2.667	1.00	74.76	O
ATOM	781	C	ASP	A	123	49.434	92.699	0.453	1.00	69.89	C
ATOM	782	O	ASP	A	123	49.084	91.577	0.818	1.00	69.56	O
ATOM	783	N	GLU	A	124	48.991	93.269	-0.661	1.00	70.88	N
ATOM	784	CA	GLU	A	124	48.043	92.584	-1.522	1.00	72.59	C
ATOM	785	CB	GLU	A	124	47.520	93.531	-2.606	1.00	73.65	C
ATOM	786	CG	GLU	A	124	46.181	93.093	-3.189	1.00	75.82	C
ATOM	787	CD	GLU	A	124	45.028	93.276	-2.206	1.00	77.38	C
ATOM	788	OE1	GLU	A	124	44.594	94.431	-2.000	1.00	78.15	O
ATOM	789	OE2	GLU	A	124	44.562	92.268	-1.629	1.00	78.10	O
ATOM	790	C	GLU	A	124	48.649	91.341	-2.166	1.00	72.45	C
ATOM	791	O	GLU	A	124	47.959	90.335	-2.341	1.00	72.39	O
ATOM	792	N	GLU	A	125	49.929	91.402	-2.518	1.00	72.06	N
ATOM	793	CA	GLU	A	125	50.572	90.247	-3.134	1.00	72.20	C
ATOM	794	CB	GLU	A	125	51.996	90.583	-3.578	1.00	74.53	C
ATOM	795	CG	GLU	A	125	52.093	91.080	-5.029	1.00	79.31	C
ATOM	796	CD	GLU	A	125	51.628	90.035	-6.055	1.00	81.95	C
ATOM	797	OE1	GLU	A	125	50.440	90.075	-6.474	1.00	81.48	O
ATOM	798	OE2	GLU	A	125	52.457	89.169	-6.432	1.00	82.16	O
ATOM	799	C	GLU	A	125	50.581	89.063	-2.182	1.00	70.58	C
ATOM	800	O	GLU	A	125	50.596	87.912	-2.605	1.00	70.65	O
ATOM	801	N	TRP	A	126	50.564	89.349	-0.888	1.00	69.67	N
ATOM	802	CA	TRP	A	126	50.541	88.291	0.114	1.00	68.01	C
ATOM	803	CB	TRP	A	126	50.943	88.835	1.497	1.00	65.76	C
ATOM	804	CG	TRP	A	126	50.632	87.868	2.587	1.00	62.83	C
ATOM	805	CD2	TRP	A	126	49.530	87.932	3.492	1.00	62.16	C
ATOM	806	CE2	TRP	A	126	49.534	86.735	4.242	1.00	62.42	C
ATOM	807	CE3	TRP	A	126	48.536	88.878	3.739	1.00	61.98	C
ATOM	808	CD1	TRP	A	126	51.251	86.676	2.825	1.00	63.56	C
ATOM	809	NE1	TRP	A	126	50.597	85.985	3.814	1.00	61.97	N
ATOM	810	CZ2	TRP	A	126	48.580	86.462	5.222	1.00	61.26	C
ATOM	811	CZ3	TRP	A	126	47.590	88.604	4.711	1.00	61.72	C
ATOM	812	CH2	TRP	A	126	47.619	87.405	5.442	1.00	60.96	C
ATOM	813	C	TRP	A	126	49.143	87.660	0.198	1.00	67.54	C
ATOM	814	O	TRP	A	126	49.003	86.443	0.129	1.00	66.27	O
ATOM	815	N	LYS	A	127	48.113	88.491	0.344	1.00	68.74	N
ATOM	816	CA	LYS	A	127	46.742	87.993	0.440	1.00	69.65	C
ATOM	817	CB	LYS	A	127	45.743	89.159	0.459	1.00	71.40	C
ATOM	818	CG	LYS	A	127	44.354	88.755	0.951	1.00	74.08	C
ATOM	819	CD	LYS	A	127	44.418	88.294	2.406	1.00	76.22	C
ATOM	820	CE	LYS	A	127	43.218	87.434	2.812	1.00	77.58	C
ATOM	821	NZ	LYS	A	127	43.635	86.263	3.666	1.00	75.06	N
ATOM	822	C	LYS	A	127	46.435	87.057	-0.732	1.00	68.61	C
ATOM	823	O	LYS	A	127	45.669	86.106	-0.600	1.00	67.41	O
ATOM	824	N	ARG	A	128	47.045	87.335	-1.876	1.00	68.50	N
ATOM	825	CA	ARG	A	128	46.859	86.509	-3.060	1.00	68.51	C
ATOM	826	CB	ARG	A	128	47.670	87.074	-4.227	1.00	68.21	C
ATOM	827	CG	ARG	A	128	47.724	86.172	-5.436	1.00	69.23	C
ATOM	828	CD	ARG	A	128	48.840	86.601	-6.357	1.00	72.44	C
ATOM	829	NE	ARG	A	128	49.137	85.587	-7.364	1.00	76.19	N
ATOM	830	CZ	ARG	A	128	50.186	85.633	-8.183	1.00	79.26	C
ATOM	831	NH1	ARG	A	128	50.386	84.670	-9.076	1.00	80.90	N
ATOM	832	NH2	ARG	A	128	51.046	86.641	-8.107	1.00	80.90	N
ATOM	833	C	ARG	A	128	47.330	85.091	-2.748	1.00	68.52	C
ATOM	834	O	ARG	A	128	46.529	84.155	-2.708	1.00	69.39	O
ATOM	835	N	LEU	A	129	48.635	84.950	-2.523	1.00	67.57	N
ATOM	836	CA	LEU	A	129	49.250	83.662	-2.209	1.00	65.41	C
ATOM	837	CB	LEU	A	129	50.738	83.855	-1.890	1.00	66.55	C
ATOM	838	CG	LEU	A	129	51.637	84.490	-2.958	1.00	67.21	C

ATOM	839	CD1	LEU	A	129	52.907	85.024	-2.318	1.00	66.86	C
ATOM	840	CD2	LEU	A	129	51.967	83.470	-4.028	1.00	67.37	C
ATOM	841	C	LEU	A	129	48.568	82.966	-1.028	1.00	63.82	C
ATOM	842	O	LEU	A	129	48.217	81.796	-1.127	1.00	63.64	O
ATOM	843	N	ARG	A	130	48.389	83.676	0.086	1.00	61.84	N
ATOM	844	CA	ARG	A	130	47.757	83.086	1.266	1.00	60.56	C
ATOM	845	CB	ARG	A	130	47.494	84.133	2.351	1.00	59.53	C
ATOM	846	CG	ARG	A	130	46.823	83.568	3.616	1.00	57.88	C
ATOM	847	CD	ARG	A	130	47.831	82.873	4.541	1.00	57.55	C
ATOM	848	NE	ARG	A	130	47.221	82.246	5.714	1.00	55.07	N
ATOM	849	CZ	ARG	A	130	47.835	82.121	6.892	1.00	56.25	C
ATOM	850	NH1	ARG	A	130	49.068	82.586	7.049	1.00	56.34	N
ATOM	851	NH2	ARG	A	130	47.225	81.530	7.916	1.00	55.02	N
ATOM	852	C	ARG	A	130	46.440	82.468	0.870	1.00	61.08	C
ATOM	853	O	ARG	A	130	46.216	81.281	1.062	1.00	61.16	O
ATOM	854	N	SER	A	131	45.558	83.292	0.326	1.00	63.20	N
ATOM	855	CA	SER	A	131	44.255	82.817	-0.114	1.00	65.27	C
ATOM	856	CB	SER	A	131	43.229	83.960	-0.104	1.00	67.84	C
ATOM	857	OG	SER	A	131	41.917	83.483	-0.374	1.00	70.76	O
ATOM	858	C	SER	A	131	44.457	82.297	-1.528	1.00	64.09	C
ATOM	859	O	SER	A	131	44.125	82.965	-2.505	1.00	64.18	O
ATOM	860	N	LEU	A	132	45.031	81.106	-1.611	1.00	62.52	N
ATOM	861	CA	LEU	A	132	45.322	80.457	-2.877	1.00	61.88	C
ATOM	862	CB	LEU	A	132	46.302	81.308	-3.700	1.00	61.33	C
ATOM	863	CG	LEU	A	132	46.485	80.971	-5.191	1.00	62.01	C
ATOM	864	CD1	LEU	A	132	45.226	81.349	-5.962	1.00	58.85	C
ATOM	865	CD2	LEU	A	132	47.689	81.718	-5.755	1.00	60.29	C
ATOM	866	C	LEU	A	132	45.961	79.124	-2.494	1.00	61.14	C
ATOM	867	O	LEU	A	132	45.797	78.117	-3.183	1.00	60.72	O
ATOM	868	N	LEU	A	133	46.677	79.140	-1.373	1.00	60.59	N
ATOM	869	CA	LEU	A	133	47.350	77.962	-0.839	1.00	60.48	C
ATOM	870	CB	LEU	A	133	48.734	78.335	-0.316	1.00	59.45	C
ATOM	871	CG	LEU	A	133	49.795	78.734	-1.337	1.00	58.53	C
ATOM	872	CD1	LEU	A	133	51.011	79.264	-0.604	1.00	58.63	C
ATOM	873	CD2	LEU	A	133	50.152	77.546	-2.198	1.00	56.45	C
ATOM	874	C	LEU	A	133	46.527	77.366	0.298	1.00	61.68	C
ATOM	875	O	LEU	A	133	46.616	76.166	0.577	1.00	61.63	O
ATOM	876	N	SER	A	134	45.735	78.212	0.957	1.00	62.97	N
ATOM	877	CA	SER	A	134	44.883	77.772	2.059	1.00	64.61	C
ATOM	878	CB	SER	A	134	43.832	78.835	2.380	1.00	64.14	C
ATOM	879	OG	SER	A	134	44.369	79.829	3.238	1.00	65.13	O
ATOM	880	C	SER	A	134	44.201	76.444	1.741	1.00	66.65	C
ATOM	881	O	SER	A	134	44.101	75.564	2.600	1.00	67.92	O
ATOM	882	N	PRO	A	135	43.703	76.285	0.503	1.00	67.74	N
ATOM	883	CD	PRO	A	135	43.514	77.328	-0.526	1.00	68.36	C
ATOM	884	CA	PRO	A	135	43.040	75.044	0.097	1.00	67.50	C
ATOM	885	CB	PRO	A	135	42.752	75.291	-1.375	1.00	66.75	C
ATOM	886	CG	PRO	A	135	42.417	76.738	-1.386	1.00	67.36	C
ATOM	887	C	PRO	A	135	43.958	73.838	0.304	1.00	68.08	C
ATOM	888	O	PRO	A	135	43.509	72.753	0.683	1.00	67.88	O
ATOM	889	N	THR	A	136	45.247	74.053	0.049	1.00	67.66	N
ATOM	890	CA	THR	A	136	46.266	73.027	0.184	1.00	66.48	C
ATOM	891	CB	THR	A	136	47.602	73.534	-0.341	1.00	65.92	C
ATOM	892	OG1	THR	A	136	47.508	73.738	-1.757	1.00	66.80	O
ATOM	893	CG2	THR	A	136	48.705	72.539	-0.036	1.00	65.91	C
ATOM	894	C	THR	A	136	46.476	72.546	1.609	1.00	67.44	C
ATOM	895	O	THR	A	136	47.027	71.466	1.823	1.00	68.10	O
ATOM	896	N	PHE	A	137	46.044	73.329	2.592	1.00	68.38	N
ATOM	897	CA	PHE	A	137	46.228	72.924	3.987	1.00	69.54	C
ATOM	898	CB	PHE	A	137	47.046	73.973	4.744	1.00	67.26	C
ATOM	899	CG	PHE	A	137	48.368	74.289	4.107	1.00	64.45	C
ATOM	900	CD1	PHE	A	137	48.460	75.231	3.090	1.00	62.54	C
ATOM	901	CD2	PHE	A	137	49.516	73.621	4.504	1.00	62.41	C
ATOM	902	CE1	PHE	A	137	49.676	75.498	2.483	1.00	61.23	C
ATOM	903	CE2	PHE	A	137	50.736	73.885	3.897	1.00	60.74	C
ATOM	904	CZ	PHE	A	137	50.818	74.822	2.888	1.00	60.64	C
ATOM	905	C	PHE	A	137	44.923	72.678	4.732	1.00	71.69	C
ATOM	906	O	PHE	A	137	44.821	72.951	5.929	1.00	72.53	O
ATOM	907	N	THR	A	138	43.928	72.149	4.028	1.00	73.86	N
ATOM	908	CA	THR	A	138	42.631	71.870	4.632	1.00	75.35	C
ATOM	909	CB	THR	A	138	41.488	71.934	3.600	1.00	75.56	C
ATOM	910	OG1	THR	A	138	41.627	70.847	2.672	1.00	76.07	O
ATOM	911	CG2	THR	A	138	41.509	73.258	2.851	1.00	74.54	C
ATOM	912	C	THR	A	138	42.578	70.481	5.236	1.00	76.48	C
ATOM	913	O	THR	A	138	43.337	69.587	4.856	1.00	75.98	O
ATOM	914	N	SER	A	139	41.677	70.311	6.192	1.00	78.51	N
ATOM	915	CA	SER	A	139	41.485	69.010	6.792	1.00	80.91	C

ATOM	916	CB	SER	A	139	40.573	69.111	8.008	1.00	81.09	C
ATOM	917	OG	SER	A	139	40.277	67.818	8.504	1.00	82.57	O
ATOM	918	C	SER	A	139	40.790	68.261	5.659	1.00	82.54	C
ATOM	919	O	SER	A	139	39.859	68.786	5.037	1.00	83.47	O
ATOM	920	N	GLY	A	140	41.243	67.046	5.374	1.00	83.61	N
ATOM	921	CA	GLY	A	140	40.651	66.294	4.282	1.00	84.54	C
ATOM	922	C	GLY	A	140	41.757	66.025	3.283	1.00	84.51	C
ATOM	923	O	GLY	A	140	41.838	64.942	2.700	1.00	86.02	O
ATOM	924	N	LYS	A	141	42.601	67.033	3.075	1.00	82.84	N
ATOM	925	CA	LYS	A	141	43.748	66.899	2.194	1.00	81.18	C
ATOM	926	CB	LYS	A	141	44.058	68.215	1.492	1.00	80.46	C
ATOM	927	CG	LYS	A	141	42.929	68.708	0.611	1.00	81.06	C
ATOM	928	CD	LYS	A	141	43.328	69.951	-0.169	1.00	80.28	C
ATOM	929	CE	LYS	A	141	42.144	70.527	-0.928	1.00	79.50	C
ATOM	930	NZ	LYS	A	141	42.534	71.690	-1.766	1.00	79.46	N
ATOM	931	C	LYS	A	141	44.871	66.536	3.149	1.00	80.80	C
ATOM	932	O	LYS	A	141	45.960	66.141	2.738	1.00	81.29	O
ATOM	933	N	LEU	A	142	44.586	66.687	4.439	1.00	79.40	N
ATOM	934	CA	LEU	A	142	45.545	66.341	5.473	1.00	78.18	C
ATOM	935	CB	LEU	A	142	45.371	67.240	6.707	1.00	76.67	C
ATOM	936	CG	LEU	A	142	46.196	66.877	7.954	1.00	75.28	C
ATOM	937	CD1	LEU	A	142	47.622	66.516	7.579	1.00	75.37	C
ATOM	938	CD2	LEU	A	142	46.190	68.043	8.912	1.00	75.05	C
ATOM	939	C	LEU	A	142	45.295	64.886	5.841	1.00	77.71	C
ATOM	940	O	LEU	A	142	46.230	64.085	5.894	1.00	77.65	O
ATOM	941	N	LYS	A	143	44.032	64.543	6.081	1.00	77.14	N
ATOM	942	CA	LYS	A	143	43.690	63.175	6.434	1.00	76.99	C
ATOM	943	CB	LYS	A	143	42.192	63.040	6.729	1.00	77.92	C
ATOM	944	CG	LYS	A	143	41.277	63.257	5.534	1.00	78.60	C
ATOM	945	CD	LYS	A	143	39.798	63.124	5.923	1.00	79.67	C
ATOM	946	CE	LYS	A	143	39.376	61.673	6.224	1.00	79.75	C
ATOM	947	NZ	LYS	A	143	39.995	61.085	7.451	1.00	77.46	N
ATOM	948	C	LYS	A	143	44.073	62.303	5.253	1.00	76.67	C
ATOM	949	O	LYS	A	143	44.133	61.077	5.359	1.00	76.00	O
ATOM	950	N	GLU	A	144	44.349	62.960	4.129	1.00	76.59	N
ATOM	951	CA	GLU	A	144	44.730	62.280	2.897	1.00	77.44	C
ATOM	952	CB	GLU	A	144	44.249	63.101	1.696	1.00	78.45	C
ATOM	953	CG	GLU	A	144	44.636	62.561	0.330	1.00	81.19	C
ATOM	954	CD	GLU	A	144	43.791	63.174	-0.782	1.00	83.75	C
ATOM	955	OE1	GLU	A	144	42.581	62.865	-0.836	1.00	85.36	O
ATOM	956	OE2	GLU	A	144	44.320	63.970	-1.594	1.00	83.55	O
ATOM	957	C	GLU	A	144	46.239	62.057	2.820	1.00	77.04	C
ATOM	958	O	GLU	A	144	46.707	61.149	2.134	1.00	76.77	O
ATOM	959	N	MET	A	145	46.986	62.886	3.543	1.00	76.75	N
ATOM	960	CA	MET	A	145	48.447	62.814	3.575	1.00	74.49	C
ATOM	961	CB	MET	A	145	49.028	64.209	3.833	1.00	74.88	C
ATOM	962	CG	MET	A	145	49.509	64.930	2.586	1.00	75.50	C
ATOM	963	SD	MET	A	145	49.835	66.686	2.823	1.00	75.38	S
ATOM	964	CE	MET	A	145	49.064	67.370	1.336	1.00	75.15	C
ATOM	965	C	MET	A	145	48.947	61.855	4.641	1.00	73.30	C
ATOM	966	O	MET	A	145	50.070	61.358	4.558	1.00	73.23	O
ATOM	967	N	VAL	A	146	48.107	61.605	5.642	1.00	71.44	N
ATOM	968	CA	VAL	A	146	48.447	60.715	6.747	1.00	70.84	C
ATOM	969	CB	VAL	A	146	47.190	60.367	7.574	1.00	71.88	C
ATOM	970	CG1	VAL	A	146	47.519	59.295	8.610	1.00	70.70	C
ATOM	971	CG2	VAL	A	146	46.656	61.624	8.248	1.00	72.08	C
ATOM	972	C	VAL	A	146	49.138	59.414	6.332	1.00	69.75	C
ATOM	973	O	VAL	A	146	50.229	59.100	6.811	1.00	67.74	O
ATOM	974	N	PRO	A	147	48.503	58.632	5.445	1.00	69.25	N
ATOM	975	CD	PRO	A	147	47.261	58.925	4.709	1.00	68.53	C
ATOM	976	CA	PRO	A	147	49.097	57.374	4.993	1.00	69.16	C
ATOM	977	CB	PRO	A	147	48.379	57.126	3.680	1.00	69.38	C
ATOM	978	CG	PRO	A	147	47.004	57.633	3.978	1.00	69.54	C
ATOM	979	C	PRO	A	147	50.605	57.529	4.803	1.00	70.26	C
ATOM	980	O	PRO	A	147	51.402	56.826	5.429	1.00	71.77	O
ATOM	981	N	ILE	A	148	50.981	58.478	3.950	1.00	69.51	N
ATOM	982	CA	ILE	A	148	52.378	58.759	3.644	1.00	68.19	C
ATOM	983	CB	ILE	A	148	52.487	59.948	2.674	1.00	67.98	C
ATOM	984	CG2	ILE	A	148	53.936	60.156	2.266	1.00	67.65	C
ATOM	985	CG1	ILE	A	148	51.616	59.684	1.442	1.00	68.87	C
ATOM	986	CD1	ILE	A	148	51.884	58.332	0.760	1.00	68.16	C
ATOM	987	C	ILE	A	148	53.252	59.046	4.864	1.00	67.53	C
ATOM	988	O	ILE	A	148	54.348	58.497	4.995	1.00	67.97	O
ATOM	989	N	ILE	A	149	52.776	59.909	5.753	1.00	66.33	N
ATOM	990	CA	ILE	A	149	53.544	60.250	6.946	1.00	65.31	C
ATOM	991	CB	ILE	A	149	52.851	61.377	7.757	1.00	63.09	C
ATOM	992	CG2	ILE	A	149	53.649	61.697	9.013	1.00	61.25	C

ATOM	993	CG1	ILE	A	149	52.737	62.636	6.901	1.00	60.98	C
ATOM	994	CD1	ILE	A	149	52.052	63.774	7.594	1.00	60.31	C
ATOM	995	C	ILE	A	149	53.736	59.023	7.840	1.00	66.45	C
ATOM	996	O	ILE	A	149	54.802	58.830	8.440	1.00	66.97	O
ATOM	997	N	ALA	A	150	52.701	58.198	7.930	1.00	66.44	N
ATOM	998	CA	ALA	A	150	52.771	57.001	8.745	1.00	66.67	C
ATOM	999	CB	ALA	A	150	51.478	56.221	8.622	1.00	68.30	C
ATOM	1000	C	ALA	A	150	53.939	56.173	8.228	1.00	67.20	C
ATOM	1001	O	ALA	A	150	54.704	55.590	9.002	1.00	67.36	O
ATOM	1002	N	GLN	A	151	54.071	56.147	6.905	1.00	67.36	N
ATOM	1003	CA	GLN	A	151	55.133	55.408	6.237	1.00	67.27	C
ATOM	1004	CB	GLN	A	151	55.164	55.783	4.753	1.00	68.28	C
ATOM	1005	CG	GLN	A	151	55.837	54.757	3.846	1.00	71.23	C
ATOM	1006	CD	GLN	A	151	55.591	55.036	2.365	1.00	72.52	C
ATOM	1007	OE1	GLN	A	151	54.473	55.371	1.959	1.00	73.51	O
ATOM	1008	NE2	GLN	A	151	56.631	54.885	1.548	1.00	71.63	N
ATOM	1009	C	GLN	A	151	56.478	55.713	6.886	1.00	66.46	C
ATOM	1010	O	GLN	A	151	57.230	54.804	7.233	1.00	65.73	O
ATOM	1011	N	TYR	A	152	56.770	56.999	7.068	1.00	66.22	N
ATOM	1012	CA	TYR	A	152	58.034	57.401	7.670	1.00	66.63	C
ATOM	1013	CB	TYR	A	152	58.466	58.755	7.092	1.00	66.85	C
ATOM	1014	CG	TYR	A	152	58.821	58.591	5.627	1.00	68.52	C
ATOM	1015	CD1	TYR	A	152	59.957	57.867	5.248	1.00	68.24	C
ATOM	1016	CE1	TYR	A	152	60.204	57.562	3.917	1.00	69.30	C
ATOM	1017	CD2	TYR	A	152	57.947	59.018	4.622	1.00	68.68	C
ATOM	1018	CE2	TYR	A	152	58.187	58.722	3.285	1.00	68.84	C
ATOM	1019	CZ	TYR	A	152	59.312	57.990	2.939	1.00	69.83	C
ATOM	1020	OH	TYR	A	152	59.530	57.655	1.620	1.00	70.86	O
ATOM	1021	C	TYR	A	152	58.019	57.383	9.194	1.00	66.11	C
ATOM	1022	O	TYR	A	152	59.022	57.681	9.849	1.00	65.73	O
ATOM	1023	N	GLY	A	153	56.873	57.006	9.750	1.00	65.82	N
ATOM	1024	CA	GLY	A	153	56.766	56.888	11.184	1.00	65.16	C
ATOM	1025	C	GLY	A	153	57.412	55.550	11.474	1.00	65.85	C
ATOM	1026	O	GLY	A	153	58.138	55.382	12.452	1.00	65.76	O
ATOM	1027	N	ASP	A	154	57.166	54.589	10.589	1.00	66.88	N
ATOM	1028	CA	ASP	A	154	57.727	53.252	10.754	1.00	67.85	C
ATOM	1029	CB	ASP	A	154	56.983	52.243	9.875	1.00	70.05	C
ATOM	1030	CG	ASP	A	154	55.650	51.823	10.478	1.00	73.44	C
ATOM	1031	OD1	ASP	A	154	54.600	52.192	9.906	1.00	76.14	O
ATOM	1032	OD2	ASP	A	154	55.653	51.135	11.532	1.00	73.44	O
ATOM	1033	C	ASP	A	154	59.217	53.185	10.467	1.00	66.83	C
ATOM	1034	O	ASP	A	154	59.937	52.404	11.082	1.00	67.45	O
ATOM	1035	N	VAL	A	155	59.687	53.999	9.532	1.00	65.67	N
ATOM	1036	CA	VAL	A	155	61.106	53.994	9.219	1.00	64.05	C
ATOM	1037	CB	VAL	A	155	61.424	54.907	8.026	1.00	63.54	C
ATOM	1038	CG1	VAL	A	155	62.921	54.962	7.815	1.00	62.40	C
ATOM	1039	CG2	VAL	A	155	60.725	54.397	6.770	1.00	62.67	C
ATOM	1040	C	VAL	A	155	61.850	54.505	10.441	1.00	64.06	C
ATOM	1041	O	VAL	A	155	62.949	54.050	10.759	1.00	62.87	O
ATOM	1042	N	LEU	A	156	61.229	55.454	11.133	1.00	64.15	N
ATOM	1043	CA	LEU	A	156	61.826	56.038	12.325	1.00	64.96	C
ATOM	1044	CB	LEU	A	156	60.942	57.174	12.852	1.00	64.24	C
ATOM	1045	CG	LEU	A	156	61.353	57.765	14.204	1.00	63.57	C
ATOM	1046	CD1	LEU	A	156	62.726	58.392	14.102	1.00	63.36	C
ATOM	1047	CD2	LEU	A	156	60.331	58.794	14.636	1.00	64.02	C
ATOM	1048	C	LEU	A	156	62.025	54.993	13.420	1.00	65.47	C
ATOM	1049	O	LEU	A	156	63.065	54.966	14.095	1.00	64.44	O
ATOM	1050	N	VAL	A	157	61.022	54.137	13.596	1.00	65.84	N
ATOM	1051	CA	VAL	A	157	61.097	53.108	14.619	1.00	66.95	C
ATOM	1052	CB	VAL	A	157	59.752	52.339	14.763	1.00	67.32	C
ATOM	1053	CG1	VAL	A	157	58.623	53.329	15.061	1.00	65.73	C
ATOM	1054	CG2	VAL	A	157	59.455	51.530	13.506	1.00	67.02	C
ATOM	1055	C	VAL	A	157	62.231	52.152	14.288	1.00	67.51	C
ATOM	1056	O	VAL	A	157	62.990	51.747	15.176	1.00	66.85	O
ATOM	1057	N	ARG	A	158	62.356	51.807	13.011	1.00	68.66	N
ATOM	1058	CA	ARG	A	158	63.430	50.923	12.580	1.00	70.30	C
ATOM	1059	CB	ARG	A	158	63.402	50.726	11.072	1.00	71.30	C
ATOM	1060	CG	ARG	A	158	62.255	49.920	10.496	1.00	73.82	C
ATOM	1061	CD	ARG	A	158	62.640	49.643	9.061	1.00	75.08	C
ATOM	1062	NE	ARG	A	158	63.585	50.685	8.663	1.00	75.85	N
ATOM	1063	CZ	ARG	A	158	64.668	50.488	7.926	1.00	74.73	C
ATOM	1064	NH1	ARG	A	158	64.956	49.271	7.484	1.00	75.85	N
ATOM	1065	NH2	ARG	A	158	65.477	51.508	7.664	1.00	74.25	N
ATOM	1066	C	ARG	A	158	64.779	51.546	12.944	1.00	71.15	C
ATOM	1067	O	ARG	A	158	65.591	50.954	13.656	1.00	70.44	O
ATOM	1068	N	ASN	A	159	65.011	52.753	12.447	1.00	72.87	N
ATOM	1069	CA	ASN	A	159	66.263	53.447	12.708	1.00	75.49	C

ATOM	1070	CB	ASN	A	159	66.314	54.744	11.891	1.00	75.83	C
ATOM	1071	CG	ASN	A	159	66.774	54.508	10.463	1.00	76.06	C
ATOM	1072	OD1	ASN	A	159	67.962	54.304	10.216	1.00	77.48	O
ATOM	1073	ND2	ASN	A	159	65.834	54.511	9.520	1.00	75.54	N
ATOM	1074	C	ASN	A	159	66.502	53.734	14.187	1.00	76.80	C
ATOM	1075	O	ASN	A	159	67.648	53.929	14.613	1.00	76.94	O
ATOM	1076	N	LEU	A	160	65.428	53.750	14.973	1.00	77.63	N
ATOM	1077	CA	LEU	A	160	65.565	54.019	16.396	1.00	78.57	C
ATOM	1078	CB	LEU	A	160	64.269	54.595	16.967	1.00	77.33	C
ATOM	1079	CG	LEU	A	160	64.454	55.714	18.002	1.00	76.73	C
ATOM	1080	CD1	LEU	A	160	65.668	55.427	18.877	1.00	75.76	C
ATOM	1081	CD2	LEU	A	160	64.638	57.042	17.287	1.00	76.33	C
ATOM	1082	C	LEU	A	160	65.900	52.719	17.101	1.00	79.47	C
ATOM	1083	O	LEU	A	160	66.516	52.712	18.171	1.00	79.90	O
ATOM	1084	N	ARG	A	161	65.503	51.615	16.486	1.00	80.04	N
ATOM	1085	CA	ARG	A	161	65.759	50.317	17.067	1.00	81.90	C
ATOM	1086	CB	ARG	A	161	64.987	49.242	16.308	1.00	80.68	C
ATOM	1087	CG	ARG	A	161	64.908	47.931	17.054	1.00	80.51	C
ATOM	1088	CD	ARG	A	161	64.084	46.917	16.304	1.00	79.65	C
ATOM	1089	NE	ARG	A	161	62.703	47.345	16.081	1.00	78.82	N
ATOM	1090	CZ	ARG	A	161	61.831	47.647	17.041	1.00	78.52	C
ATOM	1091	NH1	ARG	A	161	62.184	47.586	18.320	1.00	77.30	N
ATOM	1092	NH2	ARG	A	161	60.586	47.982	16.720	1.00	78.38	N
ATOM	1093	C	ARG	A	161	67.250	50.002	17.060	1.00	83.83	C
ATOM	1094	O	ARG	A	161	67.753	49.291	17.934	1.00	83.95	O
ATOM	1095	N	ARG	A	162	67.967	50.544	16.083	1.00	85.85	N
ATOM	1096	CA	ARG	A	162	69.396	50.286	16.011	1.00	88.24	C
ATOM	1097	CB	ARG	A	162	69.998	50.912	14.748	1.00	88.70	C
ATOM	1098	CG	ARG	A	162	70.382	52.384	14.861	1.00	90.27	C
ATOM	1099	CD	ARG	A	162	71.901	52.578	14.773	1.00	89.83	C
ATOM	1100	NE	ARG	A	162	72.236	53.896	14.248	1.00	89.77	N
ATOM	1101	CZ	ARG	A	162	71.825	54.346	13.064	1.00	90.69	C
ATOM	1102	NH1	ARG	A	162	71.066	53.576	12.285	1.00	90.16	N
ATOM	1103	NH2	ARG	A	162	72.157	55.571	12.666	1.00	90.60	N
ATOM	1104	C	ARG	A	162	70.102	50.826	17.246	1.00	89.60	C
ATOM	1105	O	ARG	A	162	70.767	50.081	17.962	1.00	89.55	O
ATOM	1106	N	GLU	A	163	69.930	52.121	17.505	1.00	91.98	N
ATOM	1107	CA	GLU	A	163	70.567	52.783	18.638	1.00	94.30	C
ATOM	1108	CB	GLU	A	163	70.306	54.288	18.567	1.00	97.08	C
ATOM	1109	CG	GLU	A	163	71.123	54.972	17.481	1.00	100.40	C
ATOM	1110	CD	GLU	A	163	72.622	54.900	17.755	1.00	102.43	C
ATOM	1111	OE1	GLU	A	163	73.176	55.893	18.287	1.00	102.67	O
ATOM	1112	OE2	GLU	A	163	73.237	53.845	17.450	1.00	103.02	O
ATOM	1113	C	GLU	A	163	70.165	52.248	20.001	1.00	94.05	C
ATOM	1114	O	GLU	A	163	70.815	52.537	21.009	1.00	94.28	O
ATOM	1115	N	ALA	A	164	69.090	51.474	20.037	1.00	93.27	N
ATOM	1116	CA	ALA	A	164	68.656	50.895	21.291	1.00	93.14	C
ATOM	1117	CB	ALA	A	164	67.179	50.533	21.218	1.00	93.99	C
ATOM	1118	C	ALA	A	164	69.503	49.647	21.496	1.00	92.57	C
ATOM	1119	O	ALA	A	164	70.142	49.478	22.537	1.00	91.91	O
ATOM	1120	N	GLU	A	165	69.514	48.796	20.469	1.00	92.53	N
ATOM	1121	CA	GLU	A	165	70.263	47.540	20.478	1.00	92.10	C
ATOM	1122	CB	GLU	A	165	70.077	46.803	19.151	1.00	91.98	C
ATOM	1123	CG	GLU	A	165	68.637	46.485	18.786	1.00	93.49	C
ATOM	1124	CD	GLU	A	165	68.360	44.989	18.734	1.00	94.32	C
ATOM	1125	OE1	GLU	A	165	67.410	44.588	18.023	1.00	95.04	O
ATOM	1126	OE2	GLU	A	165	69.084	44.217	19.406	1.00	93.56	O
ATOM	1127	C	GLU	A	165	71.753	47.751	20.720	1.00	91.71	C
ATOM	1128	O	GLU	A	165	72.387	46.979	21.445	1.00	92.08	O
ATOM	1129	N	THR	A	166	72.314	48.789	20.106	1.00	90.28	N
ATOM	1130	CA	THR	A	166	73.729	49.085	20.270	1.00	89.47	C
ATOM	1131	CB	THR	A	166	74.213	50.083	19.194	1.00	89.36	C
ATOM	1132	OG1	THR	A	166	73.524	51.332	19.334	1.00	88.50	O
ATOM	1133	CG2	THR	A	166	73.946	49.522	17.808	1.00	88.63	C
ATOM	1134	C	THR	A	166	73.999	49.647	21.669	1.00	89.65	C
ATOM	1135	O	THR	A	166	75.153	49.732	22.109	1.00	90.23	O
ATOM	1136	N	GLY	A	167	72.922	50.025	22.361	1.00	88.78	N
ATOM	1137	CA	GLY	A	167	73.030	50.555	23.711	1.00	86.76	C
ATOM	1138	C	GLY	A	167	73.630	51.943	23.829	1.00	85.62	C
ATOM	1139	O	GLY	A	167	73.787	52.462	24.937	1.00	85.54	O
ATOM	1140	N	ALA	A	168	73.965	52.552	22.697	1.00	84.35	N
ATOM	1141	CA	ALA	A	168	74.554	53.886	22.696	1.00	83.32	C
ATOM	1142	CB	ALA	A	168	75.281	54.129	21.383	1.00	82.55	C
ATOM	1143	C	ALA	A	168	73.491	54.960	22.909	1.00	82.62	C
ATOM	1144	O	ALA	A	168	72.421	54.903	22.299	1.00	82.14	O
ATOM	1145	N	PRO	A	169	73.774	55.948	23.787	1.00	82.18	N
ATOM	1146	CD	PRO	A	169	75.041	56.136	24.514	1.00	81.75	C

ATOM	1147	CA	PRO	A	169	72.844	57.050	24.080	1.00	81.25	C
ATOM	1148	CB	PRO	A	169	73.597	57.873	25.129	1.00	81.29	C
ATOM	1149	CG	PRO	A	169	75.031	57.623	24.784	1.00	81.61	C
ATOM	1150	C	PRO	A	169	72.575	57.826	22.793	1.00	80.15	C
ATOM	1151	O	PRO	A	169	73.510	58.182	22.074	1.00	80.00	O
ATOM	1152	N	VAL	A	170	71.300	58.085	22.511	1.00	78.96	N
ATOM	1153	CA	VAL	A	170	70.888	58.763	21.281	1.00	76.42	C
ATOM	1154	CB	VAL	A	170	69.485	58.301	20.860	1.00	76.11	C
ATOM	1155	CG1	VAL	A	170	69.078	58.983	19.566	1.00	76.25	C
ATOM	1156	CG2	VAL	A	170	69.458	56.790	20.714	1.00	77.06	C
ATOM	1157	C	VAL	A	170	70.869	60.284	21.266	1.00	74.87	C
ATOM	1158	O	VAL	A	170	70.612	60.930	22.286	1.00	74.69	O
ATOM	1159	N	THR	A	171	71.159	60.840	20.088	1.00	72.73	N
ATOM	1160	CA	THR	A	171	71.123	62.285	19.865	1.00	69.71	C
ATOM	1161	CB	THR	A	171	72.314	62.774	19.022	1.00	68.62	C
ATOM	1162	OG1	THR	A	171	73.504	62.715	19.816	1.00	67.00	O
ATOM	1163	CG2	THR	A	171	72.089	64.210	18.563	1.00	67.44	C
ATOM	1164	C	THR	A	171	69.817	62.525	19.116	1.00	67.59	C
ATOM	1165	O	THR	A	171	69.658	62.129	17.957	1.00	67.02	O
ATOM	1166	N	LEU	A	172	68.888	63.173	19.804	1.00	65.07	N
ATOM	1167	CA	LEU	A	172	67.560	63.429	19.283	1.00	63.66	C
ATOM	1168	CB	LEU	A	172	66.767	64.250	20.294	1.00	64.11	C
ATOM	1169	CG	LEU	A	172	66.682	63.603	21.679	1.00	64.08	C
ATOM	1170	CD1	LEU	A	172	65.510	64.219	22.428	1.00	64.53	C
ATOM	1171	CD2	LEU	A	172	66.504	62.094	21.553	1.00	61.57	C
ATOM	1172	C	LEU	A	172	67.401	64.052	17.915	1.00	62.02	C
ATOM	1173	O	LEU	A	172	67.023	63.374	16.962	1.00	61.30	O
ATOM	1174	N	LYS	A	173	67.680	65.342	17.816	1.00	61.41	N
ATOM	1175	CA	LYS	A	173	67.498	66.036	16.557	1.00	60.73	C
ATOM	1176	CB	LYS	A	173	67.991	67.478	16.668	1.00	62.81	C
ATOM	1177	CG	LYS	A	173	66.970	68.454	16.073	1.00	63.89	C
ATOM	1178	CD	LYS	A	173	67.295	69.915	16.286	1.00	63.48	C
ATOM	1179	CE	LYS	A	173	66.393	70.737	15.385	1.00	63.71	C
ATOM	1180	NZ	LYS	A	173	66.493	72.202	15.613	1.00	66.17	N
ATOM	1181	C	LYS	A	173	68.078	65.372	15.317	1.00	59.95	C
ATOM	1182	O	LYS	A	173	67.806	65.800	14.200	1.00	60.56	O
ATOM	1183	N	ASP	A	174	68.861	64.318	15.489	1.00	58.51	N
ATOM	1184	CA	ASP	A	174	69.404	63.646	14.326	1.00	57.62	C
ATOM	1185	CB	ASP	A	174	70.688	62.907	14.697	1.00	61.36	C
ATOM	1186	CG	ASP	A	174	71.816	63.860	15.068	1.00	64.45	C
ATOM	1187	OD1	ASP	A	174	71.946	64.922	14.415	1.00	65.68	O
ATOM	1188	OD2	ASP	A	174	72.579	63.542	16.004	1.00	65.28	O
ATOM	1189	C	ASP	A	174	68.383	62.683	13.710	1.00	56.28	C
ATOM	1190	O	ASP	A	174	68.230	62.624	12.483	1.00	53.78	O
ATOM	1191	N	VAL	A	175	67.684	61.938	14.567	1.00	55.59	N
ATOM	1192	CA	VAL	A	175	66.661	60.987	14.121	1.00	53.96	C
ATOM	1193	CB	VAL	A	175	66.300	59.963	15.234	1.00	55.13	C
ATOM	1194	CG1	VAL	A	175	67.282	58.789	15.220	1.00	53.63	C
ATOM	1195	CG2	VAL	A	175	66.300	60.652	16.590	1.00	53.13	C
ATOM	1196	C	VAL	A	175	65.396	61.750	13.754	1.00	53.04	C
ATOM	1197	O	VAL	A	175	64.661	61.382	12.834	1.00	53.29	O
ATOM	1198	N	PHE	A	176	65.143	62.823	14.483	1.00	51.28	N
ATOM	1199	CA	PHE	A	176	63.974	63.630	14.223	1.00	50.80	C
ATOM	1200	CB	PHE	A	176	63.665	64.423	15.482	1.00	50.12	C
ATOM	1201	CG	PHE	A	176	63.106	63.566	16.584	1.00	48.69	C
ATOM	1202	CD1	PHE	A	176	63.403	63.819	17.913	1.00	48.66	C
ATOM	1203	CD2	PHE	A	176	62.257	62.519	16.278	1.00	45.75	C
ATOM	1204	CE1	PHE	A	176	62.857	63.041	18.911	1.00	48.62	C
ATOM	1205	CE2	PHE	A	176	61.709	61.745	17.260	1.00	45.15	C
ATOM	1206	CZ	PHE	A	176	62.006	62.003	18.583	1.00	48.82	C
ATOM	1207	C	PHE	A	176	64.189	64.510	12.989	1.00	51.22	C
ATOM	1208	O	PHE	A	176	63.282	64.694	12.162	1.00	50.25	O
ATOM	1209	N	GLY	A	177	65.403	65.033	12.851	1.00	51.28	N
ATOM	1210	CA	GLY	A	177	65.713	65.829	11.678	1.00	50.91	C
ATOM	1211	C	GLY	A	177	65.608	64.946	10.435	1.00	49.77	C
ATOM	1212	O	GLY	A	177	65.315	65.419	9.338	1.00	49.55	O
ATOM	1213	N	ALA	A	178	65.848	63.650	10.606	1.00	48.89	N
ATOM	1214	CA	ALA	A	178	65.772	62.714	9.493	1.00	49.20	C
ATOM	1215	CB	ALA	A	178	66.463	61.429	9.854	1.00	47.53	C
ATOM	1216	C	ALA	A	178	64.316	62.450	9.186	1.00	50.26	C
ATOM	1217	O	ALA	A	178	63.922	62.362	8.023	1.00	48.55	O
ATOM	1218	N	TYR	A	179	63.527	62.321	10.253	1.00	51.72	N
ATOM	1219	CA	TYR	A	179	62.098	62.073	10.146	1.00	51.18	C
ATOM	1220	CB	TYR	A	179	61.488	61.840	11.534	1.00	51.87	C
ATOM	1221	CG	TYR	A	179	59.978	61.818	11.507	1.00	50.20	C
ATOM	1222	CD1	TYR	A	179	59.228	62.838	12.090	1.00	49.45	C
ATOM	1223	CE1	TYR	A	179	57.838	62.834	12.011	1.00	48.73	C

ATOM	1224	CD2	TYR	A	179	59.303	60.799	10.851	1.00	49.50	C
ATOM	1225	CE2	TYR	A	179	57.933	60.787	10.769	1.00	48.59	C
ATOM	1226	CZ	TYR	A	179	57.204	61.797	11.347	1.00	48.39	C
ATOM	1227	OH	TYR	A	179	55.837	61.732	11.260	1.00	50.52	O
ATOM	1228	C	TYR	A	179	61.440	63.279	9.507	1.00	51.07	C
ATOM	1229	O	TYR	A	179	60.531	63.137	8.681	1.00	49.71	O
ATOM	1230	N	SER	A	180	61.906	64.465	9.895	1.00	51.83	N
ATOM	1231	CA	SER	A	180	61.366	65.714	9.363	1.00	53.62	C
ATOM	1232	CB	SER	A	180	61.984	66.898	10.088	1.00	52.23	C
ATOM	1233	OG	SER	A	180	61.094	67.993	10.052	1.00	52.95	O
ATOM	1234	C	SER	A	180	61.665	65.795	7.870	1.00	54.92	C
ATOM	1235	O	SER	A	180	60.813	66.174	7.064	1.00	54.13	O
ATOM	1236	N	MET	A	181	62.887	65.407	7.519	1.00	58.51	N
ATOM	1237	CA	MET	A	181	63.344	65.385	6.132	1.00	60.86	C
ATOM	1238	CB	MET	A	181	64.799	64.947	6.064	1.00	65.51	C
ATOM	1239	CG	MET	A	181	65.433	65.171	4.701	1.00	72.58	C
ATOM	1240	SD	MET	A	181	66.119	66.835	4.556	1.00	79.50	S
ATOM	1241	CE	MET	A	181	67.701	66.546	5.449	1.00	79.69	C
ATOM	1242	C	MET	A	181	62.519	64.398	5.320	1.00	60.02	C
ATOM	1243	O	MET	A	181	62.037	64.722	4.236	1.00	61.17	O
ATOM	1244	N	ASP	A	182	62.374	63.190	5.855	1.00	58.94	N
ATOM	1245	CA	ASP	A	182	61.613	62.131	5.205	1.00	57.82	C
ATOM	1246	CB	ASP	A	182	61.537	60.895	6.099	1.00	61.14	C
ATOM	1247	CG	ASP	A	182	62.909	60.343	6.471	1.00	64.63	C
ATOM	1248	OD1	ASP	A	182	63.108	59.994	7.658	1.00	66.70	O
ATOM	1249	OD2	ASP	A	182	63.784	60.246	5.583	1.00	67.38	O
ATOM	1250	C	ASP	A	182	60.200	62.583	4.899	1.00	56.44	C
ATOM	1251	O	ASP	A	182	59.670	62.286	3.827	1.00	56.06	O
ATOM	1252	N	VAL	A	183	59.584	63.298	5.838	1.00	54.67	N
ATOM	1253	CA	VAL	A	183	58.214	63.750	5.635	1.00	53.59	C
ATOM	1254	CB	VAL	A	183	57.506	64.009	6.978	1.00	51.84	C
ATOM	1255	CG1	VAL	A	183	56.096	64.509	6.742	1.00	49.59	C
ATOM	1256	CG2	VAL	A	183	57.463	62.732	7.780	1.00	50.62	C
ATOM	1257	C	VAL	A	183	58.141	64.993	4.764	1.00	54.19	C
ATOM	1258	O	VAL	A	183	57.126	65.252	4.111	1.00	52.78	O
ATOM	1259	N	ILE	A	184	59.221	65.765	4.747	1.00	55.01	N
ATOM	1260	CA	ILE	A	184	59.227	66.961	3.923	1.00	57.75	C
ATOM	1261	CB	ILE	A	184	60.364	67.913	4.321	1.00	57.38	C
ATOM	1262	CG2	ILE	A	184	60.652	68.879	3.165	1.00	57.84	C
ATOM	1263	CG1	ILE	A	184	59.983	68.673	5.596	1.00	56.20	C
ATOM	1264	CD1	ILE	A	184	58.822	69.638	5.411	1.00	56.81	C
ATOM	1265	C	ILE	A	184	59.381	66.582	2.453	1.00	59.07	C
ATOM	1266	O	ILE	A	184	58.669	67.090	1.583	1.00	58.70	O
ATOM	1267	N	THR	A	185	60.311	65.683	2.177	1.00	60.07	N
ATOM	1268	CA	THR	A	185	60.526	65.257	0.810	1.00	63.01	C
ATOM	1269	CB	THR	A	185	61.619	64.167	0.731	1.00	63.11	C
ATOM	1270	OG1	THR	A	185	61.287	63.085	1.610	1.00	64.28	O
ATOM	1271	CG2	THR	A	185	62.972	64.737	1.129	1.00	64.45	C
ATOM	1272	C	THR	A	185	59.233	64.699	0.219	1.00	64.38	C
ATOM	1273	O	THR	A	185	58.669	65.262	-0.717	1.00	64.43	O
ATOM	1274	N	SER	A	186	58.764	63.604	0.802	1.00	66.34	N
ATOM	1275	CA	SER	A	186	57.572	62.900	0.343	1.00	68.33	C
ATOM	1276	CB	SER	A	186	57.340	61.659	1.214	1.00	69.40	C
ATOM	1277	OG	SER	A	186	57.251	62.004	2.584	1.00	68.83	O
ATOM	1278	C	SER	A	186	56.273	63.677	0.245	1.00	69.08	C
ATOM	1279	O	SER	A	186	55.444	63.397	-0.615	1.00	68.91	O
ATOM	1280	N	THR	A	187	56.080	64.650	1.117	1.00	71.16	N
ATOM	1281	CA	THR	A	187	54.840	65.402	1.082	1.00	72.32	C
ATOM	1282	CB	THR	A	187	54.420	65.823	2.493	1.00	73.32	C
ATOM	1283	OG1	THR	A	187	54.900	64.865	3.444	1.00	74.13	O
ATOM	1284	CG2	THR	A	187	52.910	65.876	2.587	1.00	74.85	C
ATOM	1285	C	THR	A	187	54.950	66.647	0.218	1.00	72.62	C
ATOM	1286	O	THR	A	187	53.943	67.163	-0.269	1.00	71.99	O
ATOM	1287	N	SER	A	188	56.171	67.126	0.024	1.00	73.55	N
ATOM	1288	CA	SER	A	188	56.369	68.324	-0.767	1.00	74.75	C
ATOM	1289	CB	SER	A	188	57.649	69.042	-0.339	1.00	74.81	C
ATOM	1290	OG	SER	A	188	57.478	70.455	-0.380	1.00	75.09	O
ATOM	1291	C	SER	A	188	56.405	67.993	-2.251	1.00	75.71	C
ATOM	1292	O	SER	A	188	55.885	68.754	-3.067	1.00	76.69	O
ATOM	1293	N	PHE	A	189	57.015	66.865	-2.606	1.00	75.95	N
ATOM	1294	CA	PHE	A	189	57.076	66.453	-4.013	1.00	76.30	C
ATOM	1295	CB	PHE	A	189	58.303	67.029	-4.732	1.00	76.47	C
ATOM	1296	CG	PHE	A	189	58.989	68.137	-4.001	1.00	76.48	C
ATOM	1297	CD1	PHE	A	189	59.679	67.893	-2.828	1.00	76.79	C
ATOM	1298	CD2	PHE	A	189	58.994	69.416	-4.520	1.00	77.23	C
ATOM	1299	CE1	PHE	A	189	60.364	68.902	-2.191	1.00	76.43	C
ATOM	1300	CE2	PHE	A	189	59.677	70.428	-3.887	1.00	77.11	C

ATOM	1301	CZ	PHE	A	189	60.363	70.170	-2.722	1.00	76.83	C
ATOM	1302	C	PHE	A	189	57.102	64.935	-4.200	1.00	75.99	C
ATOM	1303	O	PHE	A	189	57.645	64.433	-5.190	1.00	76.13	O
ATOM	1304	N	GLY	A	190	56.518	64.208	-3.253	1.00	75.36	N
ATOM	1305	CA	GLY	A	190	56.500	62.761	-3.346	1.00	74.34	C
ATOM	1306	C	GLY	A	190	57.844	62.123	-3.670	1.00	73.69	C
ATOM	1307	O	GLY	A	190	57.909	61.138	-4.401	1.00	74.25	O
ATOM	1308	N	VAL	A	191	58.921	62.682	-3.139	1.00	73.19	N
ATOM	1309	CA	VAL	A	191	60.242	62.126	-3.378	1.00	74.10	C
ATOM	1310	CB	VAL	A	191	61.314	63.234	-3.388	1.00	74.46	C
ATOM	1311	CG1	VAL	A	191	62.682	62.635	-3.684	1.00	73.78	C
ATOM	1312	CG2	VAL	A	191	60.947	64.305	-4.410	1.00	74.21	C
ATOM	1313	C	VAL	A	191	60.519	61.181	-2.224	1.00	73.97	C
ATOM	1314	O	VAL	A	191	61.043	61.598	-1.204	1.00	74.92	O
ATOM	1315	N	ASN	A	192	60.169	59.913	-2.378	1.00	74.37	N
ATOM	1316	CA	ASN	A	192	60.369	58.950	-1.299	1.00	76.14	C
ATOM	1317	CB	ASN	A	192	59.393	57.783	-1.455	1.00	77.81	C
ATOM	1318	CG	ASN	A	192	58.011	58.104	-0.905	1.00	79.36	C
ATOM	1319	OD1	ASN	A	192	57.455	59.170	-1.168	1.00	80.10	O
ATOM	1320	ND2	ASN	A	192	57.448	57.174	-0.141	1.00	80.24	N
ATOM	1321	C	ASN	A	192	61.781	58.411	-1.130	1.00	76.26	C
ATOM	1322	O	ASN	A	192	62.278	57.667	-1.962	1.00	76.83	O
ATOM	1323	N	ILE	A	193	62.417	58.781	-0.028	1.00	77.55	N
ATOM	1324	CA	ILE	A	193	63.775	58.332	0.263	1.00	78.68	C
ATOM	1325	CB	ILE	A	193	64.812	59.369	-0.206	1.00	79.20	C
ATOM	1326	CG2	ILE	A	193	64.968	59.307	-1.712	1.00	79.54	C
ATOM	1327	CG1	ILE	A	193	64.371	60.768	0.214	1.00	79.56	C
ATOM	1328	CD1	ILE	A	193	65.232	61.858	-0.358	1.00	81.19	C
ATOM	1329	C	ILE	A	193	63.945	58.097	1.758	1.00	78.79	C
ATOM	1330	O	ILE	A	193	63.119	58.530	2.560	1.00	79.14	O
ATOM	1331	N	ASP	A	194	65.014	57.407	2.132	1.00	78.55	N
ATOM	1332	CA	ASP	A	194	65.264	57.118	3.537	1.00	78.35	C
ATOM	1333	CB	ASP	A	194	65.626	55.640	3.716	1.00	77.14	C
ATOM	1334	CG	ASP	A	194	65.633	55.207	5.174	1.00	74.92	C
ATOM	1335	OD1	ASP	A	194	66.382	55.791	5.981	1.00	73.18	O
ATOM	1336	OD2	ASP	A	194	64.887	54.270	5.510	1.00	74.02	O
ATOM	1337	C	ASP	A	194	66.390	57.999	4.051	1.00	79.21	C
ATOM	1338	O	ASP	A	194	67.427	57.509	4.504	1.00	80.60	O
ATOM	1339	N	SER	A	195	66.176	59.306	3.967	1.00	79.30	N
ATOM	1340	CA	SER	A	195	67.150	60.287	4.425	1.00	79.63	C
ATOM	1341	CB	SER	A	195	66.418	61.539	4.911	1.00	78.95	C
ATOM	1342	OG	SER	A	195	65.481	61.978	3.940	1.00	78.47	O
ATOM	1343	C	SER	A	195	68.022	59.736	5.550	1.00	80.24	C
ATOM	1344	O	SER	A	195	69.227	59.544	5.378	1.00	79.18	O
ATOM	1345	N	LEU	A	196	67.381	59.468	6.686	1.00	82.24	N
ATOM	1346	CA	LEU	A	196	68.026	58.952	7.898	1.00	84.37	C
ATOM	1347	CB	LEU	A	196	67.063	58.050	8.679	1.00	84.92	C
ATOM	1348	CG	LEU	A	196	65.577	58.423	8.772	1.00	86.62	C
ATOM	1349	CD1	LEU	A	196	64.823	57.608	7.729	1.00	85.40	C
ATOM	1350	CD2	LEU	A	196	65.013	58.142	10.184	1.00	85.64	C
ATOM	1351	C	LEU	A	196	69.320	58.182	7.690	1.00	85.72	C
ATOM	1352	O	LEU	A	196	69.302	56.966	7.551	1.00	86.77	O
ATOM	1353	N	ASN	A	197	70.437	58.899	7.687	1.00	87.21	N
ATOM	1354	CA	ASN	A	197	71.768	58.321	7.525	1.00	88.52	C
ATOM	1355	CB	ASN	A	197	72.426	58.164	8.906	1.00	88.21	C
ATOM	1356	CG	ASN	A	197	73.944	58.303	8.855	1.00	88.14	C
ATOM	1357	OD1	ASN	A	197	74.671	57.314	8.799	1.00	88.18	O
ATOM	1358	ND2	ASN	A	197	74.422	59.541	8.864	1.00	88.60	N
ATOM	1359	C	ASN	A	197	71.839	56.992	6.752	1.00	89.83	C
ATOM	1360	O	ASN	A	197	72.696	56.139	7.032	1.00	91.17	O
ATOM	1361	N	ASN	A	198	70.935	56.807	5.793	1.00	89.09	N
ATOM	1362	CA	ASN	A	198	70.958	55.606	4.973	1.00	88.55	C
ATOM	1363	CB	ASN	A	198	69.637	54.832	5.098	1.00	88.77	C
ATOM	1364	CG	ASN	A	198	69.433	54.228	6.502	1.00	89.00	C
ATOM	1365	OD1	ASN	A	198	70.395	54.013	7.255	1.00	87.51	O
ATOM	1366	ND2	ASN	A	198	68.176	53.939	6.844	1.00	88.58	N
ATOM	1367	C	ASN	A	198	71.231	56.179	3.580	1.00	88.06	C
ATOM	1368	O	ASN	A	198	72.375	56.533	3.306	1.00	88.81	O
ATOM	1369	N	PRO	A	199	70.235	56.275	2.675	1.00	87.69	N
ATOM	1370	CD	PRO	A	199	68.855	55.785	2.507	1.00	88.08	C
ATOM	1371	CA	PRO	A	199	70.719	56.872	1.424	1.00	86.77	C
ATOM	1372	CB	PRO	A	199	69.656	56.460	0.410	1.00	86.32	C
ATOM	1373	CG	PRO	A	199	68.419	56.470	1.217	1.00	86.67	C
ATOM	1374	C	PRO	A	199	70.728	58.372	1.710	1.00	85.79	C
ATOM	1375	O	PRO	A	199	70.018	59.157	1.093	1.00	85.32	O
ATOM	1376	N	GLN	A	200	71.556	58.729	2.682	1.00	85.79	N
ATOM	1377	CA	GLN	A	200	71.716	60.079	3.192	1.00	86.22	C

ATOM	1378	CB	GLN	A	200	72.684	60.043	4.362	1.00	86.50	C
ATOM	1379	CG	GLN	A	200	74.007	59.422	3.989	1.00	87.49	C
ATOM	1380	CD	GLN	A	200	75.001	59.497	5.117	1.00	90.09	C
ATOM	1381	OE1	GLN	A	200	76.119	58.986	5.014	1.00	92.05	O
ATOM	1382	NE2	GLN	A	200	74.600	60.141	6.209	1.00	90.11	N
ATOM	1383	C	GLN	A	200	72.157	61.200	2.282	1.00	86.06	C
ATOM	1384	O	GLN	A	200	72.197	62.345	2.730	1.00	87.75	O
ATOM	1385	N	ASP	A	201	72.496	60.923	1.029	1.00	85.36	N
ATOM	1386	CA	ASP	A	201	72.958	62.019	0.189	1.00	83.91	C
ATOM	1387	CB	ASP	A	201	74.460	62.225	0.417	1.00	86.25	C
ATOM	1388	CG	ASP	A	201	74.786	62.593	1.864	1.00	88.31	C
ATOM	1389	OD1	ASP	A	201	74.635	63.781	2.238	1.00	89.57	O
ATOM	1390	OD2	ASP	A	201	75.176	61.684	2.631	1.00	88.97	O
ATOM	1391	C	ASP	A	201	72.673	61.960	-1.301	1.00	81.69	C
ATOM	1392	O	ASP	A	201	73.592	61.888	-2.115	1.00	81.65	O
ATOM	1393	N	PRO	A	202	71.387	61.966	-1.674	1.00	79.66	N
ATOM	1394	CD	PRO	A	202	70.335	61.413	-0.800	1.00	78.61	C
ATOM	1395	CA	PRO	A	202	70.956	61.931	-3.074	1.00	79.08	C
ATOM	1396	CB	PRO	A	202	69.828	60.906	-3.051	1.00	78.06	C
ATOM	1397	CG	PRO	A	202	69.174	61.186	-1.759	1.00	77.57	C
ATOM	1398	C	PRO	A	202	70.471	63.323	-3.515	1.00	78.57	C
ATOM	1399	O	PRO	A	202	71.050	63.963	-4.400	1.00	78.27	O
ATOM	1400	N	PHE	A	203	69.406	63.768	-2.858	1.00	78.02	N
ATOM	1401	CA	PHE	A	203	68.745	65.049	-3.084	1.00	77.01	C
ATOM	1402	CB	PHE	A	203	67.441	64.762	-3.856	1.00	77.19	C
ATOM	1403	CG	PHE	A	203	66.269	65.633	-3.482	1.00	77.76	C
ATOM	1404	CD1	PHE	A	203	65.600	65.455	-2.283	1.00	77.29	C
ATOM	1405	CD2	PHE	A	203	65.805	66.601	-4.362	1.00	78.35	C
ATOM	1406	CE1	PHE	A	203	64.493	66.224	-1.975	1.00	78.28	C
ATOM	1407	CE2	PHE	A	203	64.697	67.374	-4.060	1.00	77.99	C
ATOM	1408	CZ	PHE	A	203	64.040	67.186	-2.868	1.00	78.24	C
ATOM	1409	C	PHE	A	203	68.508	65.594	-1.667	1.00	76.64	C
ATOM	1410	O	PHE	A	203	67.818	66.587	-1.448	1.00	75.66	O
ATOM	1411	N	VAL	A	204	69.136	64.912	-0.712	1.00	75.84	N
ATOM	1412	CA	VAL	A	204	69.052	65.214	0.710	1.00	74.05	C
ATOM	1413	CB	VAL	A	204	69.254	63.931	1.538	1.00	74.34	C
ATOM	1414	CG1	VAL	A	204	69.474	64.269	3.001	1.00	75.26	C
ATOM	1415	CG2	VAL	A	204	68.053	63.031	1.379	1.00	74.78	C
ATOM	1416	C	VAL	A	204	70.061	66.244	1.195	1.00	73.60	C
ATOM	1417	O	VAL	A	204	69.824	66.914	2.198	1.00	73.50	O
ATOM	1418	N	GLU	A	205	71.186	66.369	0.503	1.00	72.43	N
ATOM	1419	CA	GLU	A	205	72.187	67.338	0.922	1.00	71.43	C
ATOM	1420	CB	GLU	A	205	73.489	67.138	0.143	1.00	73.55	C
ATOM	1421	CG	GLU	A	205	74.573	68.162	0.477	1.00	74.82	C
ATOM	1422	CD	GLU	A	205	74.652	68.474	1.966	1.00	74.77	C
ATOM	1423	OE1	GLU	A	205	74.337	67.579	2.781	1.00	73.12	O
ATOM	1424	OE2	GLU	A	205	75.044	69.610	2.319	1.00	76.26	O
ATOM	1425	C	GLU	A	205	71.678	68.763	0.746	1.00	69.38	C
ATOM	1426	O	GLU	A	205	71.957	69.636	1.567	1.00	68.28	O
ATOM	1427	N	ASN	A	206	70.934	68.995	-0.330	1.00	67.86	N
ATOM	1428	CA	ASN	A	206	70.371	70.318	-0.594	1.00	67.78	C
ATOM	1429	CB	ASN	A	206	69.689	70.348	-1.964	1.00	69.41	C
ATOM	1430	CG	ASN	A	206	70.676	70.377	-3.105	1.00	71.71	C
ATOM	1431	OD1	ASN	A	206	71.299	71.406	-3.381	1.00	72.45	O
ATOM	1432	ND2	ASN	A	206	70.835	69.239	-3.772	1.00	73.12	N
ATOM	1433	C	ASN	A	206	69.343	70.681	0.475	1.00	65.92	C
ATOM	1434	O	ASN	A	206	69.483	71.682	1.182	1.00	65.30	O
ATOM	1435	N	THR	A	207	68.303	69.854	0.568	1.00	63.42	N
ATOM	1436	CA	THR	A	207	67.224	70.032	1.528	1.00	59.38	C
ATOM	1437	CB	THR	A	207	66.294	68.811	1.510	1.00	59.02	C
ATOM	1438	OG1	THR	A	207	66.026	68.440	0.153	1.00	58.76	O
ATOM	1439	CG2	THR	A	207	64.975	69.127	2.187	1.00	60.91	C
ATOM	1440	C	THR	A	207	67.804	70.203	2.929	1.00	57.19	C
ATOM	1441	O	THR	A	207	67.494	71.156	3.639	1.00	57.52	O
ATOM	1442	N	LYS	A	208	68.671	69.282	3.313	1.00	54.35	N
ATOM	1443	CA	LYS	A	208	69.297	69.316	4.622	1.00	53.05	C
ATOM	1444	CB	LYS	A	208	70.285	68.155	4.715	1.00	54.16	C
ATOM	1445	CG	LYS	A	208	70.956	67.961	6.060	1.00	56.95	C
ATOM	1446	CD	LYS	A	208	71.125	66.468	6.382	1.00	58.64	C
ATOM	1447	CE	LYS	A	208	71.745	65.689	5.210	1.00	61.22	C
ATOM	1448	NZ	LYS	A	208	73.143	66.119	4.852	1.00	61.88	N
ATOM	1449	C	LYS	A	208	69.998	70.636	4.943	1.00	52.56	C
ATOM	1450	O	LYS	A	208	70.281	70.925	6.099	1.00	52.30	O
ATOM	1451	N	LYS	A	209	70.279	71.440	3.925	1.00	52.73	N
ATOM	1452	CA	LYS	A	209	70.964	72.718	4.128	1.00	51.59	C
ATOM	1453	CB	LYS	A	209	71.863	73.040	2.923	1.00	53.78	C
ATOM	1454	CG	LYS	A	209	73.315	72.567	3.032	1.00	54.82	C

ATOM	1455	CD	LYS	A	209	74.116	73.000	1.802	1.00	57.42	C
ATOM	1456	CE	LYS	A	209	75.512	73.535	2.178	1.00	60.52	C
ATOM	1457	NZ	LYS	A	209	76.326	74.045	1.007	1.00	60.22	N
ATOM	1458	C	LYS	A	209	70.023	73.899	4.383	1.00	50.26	C
ATOM	1459	O	LYS	A	209	70.478	74.989	4.682	1.00	50.69	O
ATOM	1460	N	LEU	A	210	68.720	73.688	4.268	1.00	48.87	N
ATOM	1461	CA	LEU	A	210	67.744	74.756	4.504	1.00	47.47	C
ATOM	1462	CB	LEU	A	210	66.491	74.481	3.667	1.00	48.12	C
ATOM	1463	CG	LEU	A	210	66.481	74.925	2.205	1.00	44.78	C
ATOM	1464	CD1	LEU	A	210	65.493	74.090	1.418	1.00	44.67	C
ATOM	1465	CD2	LEU	A	210	66.110	76.396	2.148	1.00	44.36	C
ATOM	1466	C	LEU	A	210	67.366	74.909	5.999	1.00	46.91	C
ATOM	1467	O	LEU	A	210	66.285	74.497	6.440	1.00	44.44	O
ATOM	1468	N	LEU	A	211	68.263	75.530	6.761	1.00	46.59	N
ATOM	1469	CA	LEU	A	211	68.084	75.731	8.201	1.00	45.91	C
ATOM	1470	CB	LEU	A	211	69.429	75.551	8.908	1.00	46.02	C
ATOM	1471	CG	LEU	A	211	70.253	74.348	8.440	1.00	44.08	C
ATOM	1472	CD1	LEU	A	211	71.713	74.739	8.315	1.00	43.36	C
ATOM	1473	CD2	LEU	A	211	70.068	73.197	9.403	1.00	43.80	C
ATOM	1474	C	LEU	A	211	67.533	77.108	8.534	1.00	44.79	C
ATOM	1475	O	LEU	A	211	67.599	78.018	7.722	1.00	44.41	O
ATOM	1476	N	ARG	A	212	66.996	77.258	9.741	1.00	45.17	N
ATOM	1477	CA	ARG	A	212	66.440	78.534	10.178	1.00	45.90	C
ATOM	1478	CB	ARG	A	212	65.813	78.399	11.570	1.00	49.25	C
ATOM	1479	CG	ARG	A	212	64.554	77.550	11.661	1.00	54.48	C
ATOM	1480	CD	ARG	A	212	64.241	77.238	13.145	1.00	61.96	C
ATOM	1481	NE	ARG	A	212	65.225	76.322	13.749	1.00	66.37	N
ATOM	1482	CZ	ARG	A	212	65.367	76.096	15.061	1.00	68.08	C
ATOM	1483	NH1	ARG	A	212	64.596	76.719	15.948	1.00	68.53	N
ATOM	1484	NH2	ARG	A	212	66.286	75.238	15.490	1.00	68.55	N
ATOM	1485	C	ARG	A	212	67.565	79.556	10.251	1.00	43.98	C
ATOM	1486	O	ARG	A	212	68.720	79.201	10.450	1.00	46.77	O
ATOM	1487	N	PHE	A	213	67.239	80.826	10.098	1.00	39.88	N
ATOM	1488	CA	PHE	A	213	68.263	81.847	10.183	1.00	37.53	C
ATOM	1489	CB	PHE	A	213	67.834	83.099	9.421	1.00	37.40	C
ATOM	1490	CG	PHE	A	213	67.606	82.867	7.967	1.00	38.23	C
ATOM	1491	CD1	PHE	A	213	68.604	82.325	7.180	1.00	37.63	C
ATOM	1492	CD2	PHE	A	213	66.390	83.198	7.379	1.00	40.12	C
ATOM	1493	CE1	PHE	A	213	68.404	82.114	5.837	1.00	40.21	C
ATOM	1494	CE2	PHE	A	213	66.174	82.992	6.024	1.00	40.64	C
ATOM	1495	CZ	PHE	A	213	67.180	82.449	5.250	1.00	41.08	C
ATOM	1496	C	PHE	A	213	68.485	82.234	11.626	1.00	36.63	C
ATOM	1497	O	PHE	A	213	67.524	82.332	12.384	1.00	37.85	O
ATOM	1498	N	ASP	A	214	69.737	82.445	12.018	1.00	35.91	N
ATOM	1499	CA	ASP	A	214	70.023	82.899	13.376	1.00	35.91	C
ATOM	1500	CB	ASP	A	214	71.310	82.279	13.938	1.00	35.90	C
ATOM	1501	CG	ASP	A	214	71.737	82.907	15.287	1.00	38.67	C
ATOM	1502	OD1	ASP	A	214	72.768	82.465	15.853	1.00	40.10	O
ATOM	1503	OD2	ASP	A	214	71.058	83.842	15.791	1.00	36.74	O
ATOM	1504	C	ASP	A	214	70.198	84.399	13.217	1.00	35.54	C
ATOM	1505	O	ASP	A	214	71.259	84.864	12.821	1.00	35.65	O
ATOM	1506	N	PHE	A	215	69.158	85.164	13.516	1.00	36.99	N
ATOM	1507	CA	PHE	A	215	69.252	86.615	13.355	1.00	37.11	C
ATOM	1508	CB	PHE	A	215	67.863	87.250	13.401	1.00	35.84	C
ATOM	1509	CG	PHE	A	215	67.073	86.998	12.174	1.00	36.21	C
ATOM	1510	CD1	PHE	A	215	66.089	86.024	12.145	1.00	37.52	C
ATOM	1511	CD2	PHE	A	215	67.358	87.694	11.018	1.00	36.28	C
ATOM	1512	CE1	PHE	A	215	65.402	85.750	10.970	1.00	37.57	C
ATOM	1513	CE2	PHE	A	215	66.677	87.431	9.839	1.00	37.13	C
ATOM	1514	CZ	PHE	A	215	65.698	86.458	9.815	1.00	38.28	C
ATOM	1515	C	PHE	A	215	70.178	87.298	14.337	1.00	36.43	C
ATOM	1516	O	PHE	A	215	70.354	88.499	14.287	1.00	35.43	O
ATOM	1517	N	LEU	A	216	70.779	86.537	15.228	1.00	38.58	N
ATOM	1518	CA	LEU	A	216	71.681	87.148	16.167	1.00	42.10	C
ATOM	1519	CB	LEU	A	216	71.339	86.739	17.602	1.00	43.41	C
ATOM	1520	CG	LEU	A	216	70.510	87.776	18.380	1.00	44.23	C
ATOM	1521	CD1	LEU	A	216	69.446	88.385	17.475	1.00	43.75	C
ATOM	1522	CD2	LEU	A	216	69.871	87.123	19.591	1.00	43.00	C
ATOM	1523	C	LEU	A	216	73.107	86.794	15.834	1.00	43.36	C
ATOM	1524	O	LEU	A	216	74.001	87.054	16.634	1.00	45.90	O
ATOM	1525	N	ASP	A	217	73.328	86.202	14.661	1.00	43.63	N
ATOM	1526	CA	ASP	A	217	74.688	85.863	14.250	1.00	44.74	C
ATOM	1527	CB	ASP	A	217	74.713	84.618	13.342	1.00	48.58	C
ATOM	1528	CG	ASP	A	217	74.443	84.932	11.867	1.00	53.05	C
ATOM	1529	OD1	ASP	A	217	74.698	84.036	11.033	1.00	53.61	O
ATOM	1530	OD2	ASP	A	217	73.973	86.047	11.534	1.00	55.83	O
ATOM	1531	C	ASP	A	217	75.306	87.071	13.542	1.00	43.17	C

ATOM	1532	O	ASP	A	217	74.598	87.983	13.114	1.00	43.59	O
ATOM	1533	N	PRO	A	218	76.637	87.096	13.413	1.00	42.05	N
ATOM	1534	CD	PRO	A	218	77.608	86.074	13.851	1.00	40.99	C
ATOM	1535	CA	PRO	A	218	77.322	88.213	12.756	1.00	40.34	C
ATOM	1536	CB	PRO	A	218	78.702	87.633	12.475	1.00	40.39	C
ATOM	1537	CG	PRO	A	218	78.935	86.789	13.698	1.00	40.03	C
ATOM	1538	C	PRO	A	218	76.671	88.823	11.509	1.00	38.33	C
ATOM	1539	O	PRO	A	218	76.356	90.009	11.480	1.00	37.70	O
ATOM	1540	N	PHE	A	219	76.457	88.017	10.483	1.00	37.64	N
ATOM	1541	CA	PHE	A	219	75.890	88.540	9.247	1.00	37.63	C
ATOM	1542	CB	PHE	A	219	75.670	87.394	8.261	1.00	35.91	C
ATOM	1543	CG	PHE	A	219	75.029	87.812	6.974	1.00	34.29	C
ATOM	1544	CD1	PHE	A	219	73.655	87.768	6.821	1.00	36.12	C
ATOM	1545	CD2	PHE	A	219	75.802	88.199	5.902	1.00	35.64	C
ATOM	1546	CE1	PHE	A	219	73.064	88.097	5.606	1.00	37.73	C
ATOM	1547	CE2	PHE	A	219	75.225	88.531	4.687	1.00	36.48	C
ATOM	1548	CZ	PHE	A	219	73.855	88.478	4.535	1.00	36.24	C
ATOM	1549	C	PHE	A	219	74.614	89.361	9.402	1.00	37.89	C
ATOM	1550	O	PHE	A	219	74.590	90.535	9.045	1.00	37.99	O
ATOM	1551	N	PHE	A	220	73.554	88.745	9.928	1.00	38.42	N
ATOM	1552	CA	PHE	A	220	72.273	89.423	10.114	1.00	36.44	C
ATOM	1553	CB	PHE	A	220	71.234	88.416	10.558	1.00	32.24	C
ATOM	1554	CG	PHE	A	220	70.825	87.459	9.475	1.00	28.58	C
ATOM	1555	CD1	PHE	A	220	69.859	87.814	8.542	1.00	27.17	C
ATOM	1556	CD2	PHE	A	220	71.345	86.184	9.438	1.00	26.61	C
ATOM	1557	CE1	PHE	A	220	69.415	86.914	7.614	1.00	23.05	C
ATOM	1558	CE2	PHE	A	220	70.905	85.276	8.506	1.00	24.36	C
ATOM	1559	CZ	PHE	A	220	69.939	85.640	7.600	1.00	25.11	C
ATOM	1560	C	PHE	A	220	72.354	90.570	11.112	1.00	36.52	C
ATOM	1561	O	PHE	A	220	71.719	91.615	10.937	1.00	36.91	O
ATOM	1562	N	LEU	A	221	73.148	90.384	12.154	1.00	36.64	N
ATOM	1563	CA	LEU	A	221	73.311	91.436	13.140	1.00	37.97	C
ATOM	1564	CB	LEU	A	221	74.291	90.997	14.220	1.00	37.06	C
ATOM	1565	CG	LEU	A	221	73.939	91.465	15.634	1.00	37.25	C
ATOM	1566	CD1	LEU	A	221	72.433	91.721	15.776	1.00	31.98	C
ATOM	1567	CD2	LEU	A	221	74.416	90.383	16.612	1.00	38.18	C
ATOM	1568	C	LEU	A	221	73.808	92.707	12.452	1.00	38.85	C
ATOM	1569	O	LEU	A	221	73.339	93.796	12.773	1.00	41.89	O
ATOM	1570	N	SER	A	222	74.741	92.569	11.507	1.00	38.11	N
ATOM	1571	CA	SER	A	222	75.273	93.715	10.754	1.00	38.23	C
ATOM	1572	CB	SER	A	222	76.376	93.271	9.778	1.00	36.48	C
ATOM	1573	OG	SER	A	222	77.540	92.833	10.451	1.00	34.78	O
ATOM	1574	C	SER	A	222	74.185	94.424	9.941	1.00	39.48	C
ATOM	1575	O	SER	A	222	74.017	95.640	10.030	1.00	39.01	O
ATOM	1576	N	ILE	A	223	73.457	93.653	9.137	1.00	41.70	N
ATOM	1577	CA	ILE	A	223	72.399	94.184	8.287	1.00	43.85	C
ATOM	1578	CB	ILE	A	223	71.777	93.073	7.440	1.00	43.32	C
ATOM	1579	CG2	ILE	A	223	70.602	93.601	6.638	1.00	44.09	C
ATOM	1580	CG1	ILE	A	223	72.815	92.535	6.475	1.00	42.66	C
ATOM	1581	CD1	ILE	A	223	72.264	91.441	5.626	1.00	45.57	C
ATOM	1582	C	ILE	A	223	71.300	94.868	9.081	1.00	45.78	C
ATOM	1583	O	ILE	A	223	70.643	95.792	8.593	1.00	45.66	O
ATOM	1584	N	THR	A	224	71.087	94.413	10.306	1.00	48.53	N
ATOM	1585	CA	THR	A	224	70.068	95.040	11.121	1.00	52.10	C
ATOM	1586	CB	THR	A	224	69.781	94.219	12.365	1.00	53.14	C
ATOM	1587	OG1	THR	A	224	69.362	92.907	11.967	1.00	54.87	O
ATOM	1588	CG2	THR	A	224	68.670	94.882	13.183	1.00	54.37	C
ATOM	1589	C	THR	A	224	70.561	96.426	11.509	1.00	52.48	C
ATOM	1590	O	THR	A	224	69.782	97.378	11.599	1.00	53.01	O
ATOM	1591	N	VAL	A	225	71.866	96.530	11.715	1.00	52.21	N
ATOM	1592	CA	VAL	A	225	72.468	97.795	12.070	1.00	54.58	C
ATOM	1593	CB	VAL	A	225	73.864	97.603	12.719	1.00	57.17	C
ATOM	1594	CG1	VAL	A	225	74.244	98.839	13.529	1.00	58.66	C
ATOM	1595	CG2	VAL	A	225	73.861	96.374	13.622	1.00	59.58	C
ATOM	1596	C	VAL	A	225	72.635	98.647	10.819	1.00	54.40	C
ATOM	1597	O	VAL	A	225	72.444	99.853	10.853	1.00	56.64	O
ATOM	1598	N	PHE	A	226	72.985	98.024	9.706	1.00	54.19	N
ATOM	1599	CA	PHE	A	226	73.195	98.768	8.471	1.00	53.87	C
ATOM	1600	CB	PHE	A	226	74.673	98.704	8.102	1.00	58.60	C
ATOM	1601	CG	PHE	A	226	75.588	98.901	9.281	1.00	63.39	C
ATOM	1602	CD1	PHE	A	226	76.790	98.203	9.372	1.00	64.29	C
ATOM	1603	CD2	PHE	A	226	75.233	99.762	10.320	1.00	63.52	C
ATOM	1604	CE1	PHE	A	226	77.622	98.356	10.485	1.00	65.48	C
ATOM	1605	CE2	PHE	A	226	76.051	99.920	11.429	1.00	64.86	C
ATOM	1606	CZ	PHE	A	226	77.247	99.216	11.517	1.00	65.17	C
ATOM	1607	C	PHE	A	226	72.352	98.208	7.339	1.00	50.64	C
ATOM	1608	O	PHE	A	226	72.848	97.503	6.470	1.00	50.28	O

ATOM	1609	N	PRO	A	227	71.061	98.532	7.342	1.00	48.16	N
ATOM	1610	CD	PRO	A	227	70.407	99.258	8.437	1.00	45.67	C
ATOM	1611	CA	PRO	A	227	70.071	98.101	6.360	1.00	47.74	C
ATOM	1612	CB	PRO	A	227	68.770	98.685	6.915	1.00	46.52	C
ATOM	1613	CG	PRO	A	227	69.019	98.723	8.366	1.00	44.56	C
ATOM	1614	C	PRO	A	227	70.335	98.540	4.928	1.00	47.91	C
ATOM	1615	O	PRO	A	227	69.708	98.013	3.998	1.00	46.37	O
ATOM	1616	N	PHE	A	228	71.247	99.499	4.748	1.00	49.70	N
ATOM	1617	CA	PHE	A	228	71.578	100.008	3.406	1.00	51.77	C
ATOM	1618	CB	PHE	A	228	72.321	101.349	3.500	1.00	51.00	C
ATOM	1619	CG	PHE	A	228	73.610	101.291	4.275	1.00	50.10	C
ATOM	1620	CD1	PHE	A	228	74.780	100.880	3.671	1.00	49.44	C
ATOM	1621	CD2	PHE	A	228	73.644	101.662	5.610	1.00	51.28	C
ATOM	1622	CE1	PHE	A	228	75.966	100.842	4.383	1.00	51.87	C
ATOM	1623	CE2	PHE	A	228	74.826	101.624	6.336	1.00	51.75	C
ATOM	1624	CZ	PHE	A	228	75.988	101.214	5.723	1.00	52.41	C
ATOM	1625	C	PHE	A	228	72.401	99.002	2.610	1.00	52.96	C
ATOM	1626	O	PHE	A	228	72.622	99.173	1.411	1.00	54.94	O
ATOM	1627	N	LEU	A	229	72.833	97.950	3.299	1.00	52.02	N
ATOM	1628	CA	LEU	A	229	73.607	96.867	2.720	1.00	51.08	C
ATOM	1629	CB	LEU	A	229	74.201	96.024	3.846	1.00	53.14	C
ATOM	1630	CG	LEU	A	229	75.517	96.406	4.520	1.00	55.74	C
ATOM	1631	CD1	LEU	A	229	75.874	97.813	4.138	1.00	57.65	C
ATOM	1632	CD2	LEU	A	229	75.408	96.234	6.035	1.00	53.58	C
ATOM	1633	C	LEU	A	229	72.725	95.961	1.853	1.00	50.95	C
ATOM	1634	O	LEU	A	229	73.166	95.386	0.852	1.00	51.80	O
ATOM	1635	N	ILE	A	230	71.476	95.809	2.253	1.00	49.19	N
ATOM	1636	CA	ILE	A	230	70.581	94.940	1.522	1.00	49.23	C
ATOM	1637	CB	ILE	A	230	69.155	95.015	2.138	1.00	49.37	C
ATOM	1638	CG2	ILE	A	230	68.160	94.171	1.343	1.00	46.72	C
ATOM	1639	CG1	ILE	A	230	69.223	94.523	3.585	1.00	49.41	C
ATOM	1640	CD1	ILE	A	230	67.879	94.176	4.188	1.00	51.39	C
ATOM	1641	C	ILE	A	230	70.557	95.222	0.016	1.00	49.83	C
ATOM	1642	O	ILE	A	230	70.722	94.315	-0.797	1.00	47.91	O
ATOM	1643	N	PRO	A	231	70.388	96.493	-0.376	1.00	51.49	N
ATOM	1644	CD	PRO	A	231	70.422	97.718	0.437	1.00	50.40	C
ATOM	1645	CA	PRO	A	231	70.349	96.827	-1.804	1.00	51.42	C
ATOM	1646	CB	PRO	A	231	69.990	98.315	-1.810	1.00	52.61	C
ATOM	1647	CG	PRO	A	231	69.579	98.621	-0.379	1.00	51.92	C
ATOM	1648	C	PRO	A	231	71.706	96.585	-2.452	1.00	50.43	C
ATOM	1649	O	PRO	A	231	71.800	96.297	-3.633	1.00	51.85	O
ATOM	1650	N	ILE	A	232	72.760	96.736	-1.667	1.00	48.87	N
ATOM	1651	CA	ILE	A	232	74.106	96.529	-2.152	1.00	48.50	C
ATOM	1652	CB	ILE	A	232	75.084	96.993	-1.110	1.00	47.54	C
ATOM	1653	CG2	ILE	A	232	76.435	96.435	-1.392	1.00	50.35	C
ATOM	1654	CG1	ILE	A	232	75.087	98.506	-1.054	1.00	47.81	C
ATOM	1655	CD1	ILE	A	232	76.159	99.056	-0.153	1.00	49.20	C
ATOM	1656	C	ILE	A	232	74.368	95.045	-2.448	1.00	50.69	C
ATOM	1657	O	ILE	A	232	74.869	94.680	-3.516	1.00	51.11	O
ATOM	1658	N	LEU	A	233	74.022	94.186	-1.497	1.00	50.84	N
ATOM	1659	CA	LEU	A	233	74.227	92.759	-1.660	1.00	51.68	C
ATOM	1660	CB	LEU	A	233	73.879	92.037	-0.367	1.00	51.19	C
ATOM	1661	CG	LEU	A	233	74.634	92.470	0.884	1.00	50.97	C
ATOM	1662	CD1	LEU	A	233	73.803	92.077	2.069	1.00	50.98	C
ATOM	1663	CD2	LEU	A	233	76.032	91.839	0.950	1.00	50.51	C
ATOM	1664	C	LEU	A	233	73.390	92.171	-2.778	1.00	53.15	C
ATOM	1665	O	LEU	A	233	73.827	91.288	-3.504	1.00	55.12	O
ATOM	1666	N	GLU	A	234	72.168	92.650	-2.911	1.00	55.77	N
ATOM	1667	CA	GLU	A	234	71.291	92.112	-3.930	1.00	59.27	C
ATOM	1668	CB	GLU	A	234	69.874	92.637	-3.745	1.00	61.38	C
ATOM	1669	CG	GLU	A	234	69.207	92.012	-2.541	1.00	65.76	C
ATOM	1670	CD	GLU	A	234	67.862	92.606	-2.258	1.00	67.31	C
ATOM	1671	OE1	GLU	A	234	67.768	93.858	-2.339	1.00	67.85	O
ATOM	1672	OE2	GLU	A	234	66.923	91.824	-1.949	1.00	66.55	O
ATOM	1673	C	GLU	A	234	71.749	92.374	-5.331	1.00	60.27	C
ATOM	1674	O	GLU	A	234	71.355	91.660	-6.251	1.00	61.41	O
ATOM	1675	N	VAL	A	235	72.577	93.392	-5.517	1.00	60.09	N
ATOM	1676	CA	VAL	A	235	73.032	93.653	-6.861	1.00	60.73	C
ATOM	1677	CB	VAL	A	235	73.541	95.110	-7.037	1.00	61.44	C
ATOM	1678	CG1	VAL	A	235	75.045	95.188	-6.744	1.00	60.47	C
ATOM	1679	CG2	VAL	A	235	73.203	95.609	-8.455	1.00	58.65	C
ATOM	1680	C	VAL	A	235	74.135	92.656	-7.179	1.00	61.08	C
ATOM	1681	O	VAL	A	235	74.403	92.385	-8.345	1.00	62.61	O
ATOM	1682	N	LEU	A	236	74.760	92.096	-6.141	1.00	61.00	N
ATOM	1683	CA	LEU	A	236	75.835	91.110	-6.321	1.00	60.23	C
ATOM	1684	CB	LEU	A	236	76.872	91.226	-5.209	1.00	59.25	C
ATOM	1685	CG	LEU	A	236	77.471	92.609	-5.020	1.00	60.06	C

ATOM	1686	CD1	LEU	A	236	78.711	92.519	-4.129	1.00	59.14	C
ATOM	1687	CD2	LEU	A	236	77.833	93.166	-6.383	1.00	62.27	C
ATOM	1688	C	LEU	A	236	75.242	89.717	-6.278	1.00	59.84	C
ATOM	1689	O	LEU	A	236	75.940	88.725	-6.051	1.00	59.88	O
ATOM	1690	N	ASN	A	237	73.936	89.665	-6.496	1.00	59.59	N
ATOM	1691	CA	ASN	A	237	73.181	88.424	-6.469	1.00	61.32	C
ATOM	1692	CB	ASN	A	237	73.407	87.624	-7.752	1.00	63.16	C
ATOM	1693	CG	ASN	A	237	72.267	86.652	-8.030	1.00	66.13	C
ATOM	1694	OD1	ASN	A	237	71.342	86.518	-7.224	1.00	66.08	O
ATOM	1695	ND2	ASN	A	237	72.328	85.969	-9.173	1.00	68.22	N
ATOM	1696	C	ASN	A	237	73.448	87.536	-5.232	1.00	60.25	C
ATOM	1697	O	ASN	A	237	73.335	86.304	-5.296	1.00	59.71	O
ATOM	1698	N	ILE	A	238	73.795	88.165	-4.111	1.00	56.84	N
ATOM	1699	CA	ILE	A	238	74.015	87.426	-2.882	1.00	55.18	C
ATOM	1700	CB	ILE	A	238	74.886	88.198	-1.905	1.00	54.86	C
ATOM	1701	CG2	ILE	A	238	74.928	87.474	-0.567	1.00	51.70	C
ATOM	1702	CG1	ILE	A	238	76.276	88.407	-2.496	1.00	54.32	C
ATOM	1703	CD1	ILE	A	238	77.131	89.337	-1.661	1.00	54.26	C
ATOM	1704	C	ILE	A	238	72.644	87.319	-2.249	1.00	55.84	C
ATOM	1705	O	ILE	A	238	72.034	88.340	-1.948	1.00	56.71	O
ATOM	1706	N	CYS	A	239	72.141	86.105	-2.062	1.00	55.46	N
ATOM	1707	CA	CYS	A	239	70.829	85.930	-1.443	1.00	54.27	C
ATOM	1708	CB	CYS	A	239	69.910	85.110	-2.349	1.00	54.81	C
ATOM	1709	SG	CYS	A	239	68.324	84.635	-1.589	1.00	55.18	S
ATOM	1710	C	CYS	A	239	70.975	85.237	-0.092	1.00	53.74	C
ATOM	1711	O	CYS	A	239	71.940	84.516	0.150	1.00	53.48	O
ATOM	1712	N	VAL	A	240	70.011	85.457	0.792	1.00	53.20	N
ATOM	1713	CA	VAL	A	240	70.065	84.841	2.104	1.00	50.95	C
ATOM	1714	CB	VAL	A	240	69.228	85.643	3.116	1.00	50.00	C
ATOM	1715	CG1	VAL	A	240	67.840	85.059	3.245	1.00	49.47	C
ATOM	1716	CG2	VAL	A	240	69.958	85.688	4.437	1.00	48.60	C
ATOM	1717	C	VAL	A	240	69.628	83.378	2.039	1.00	50.83	C
ATOM	1718	O	VAL	A	240	69.802	82.634	2.989	1.00	51.19	O
ATOM	1719	N	PHE	A	241	69.039	82.973	0.920	1.00	52.90	N
ATOM	1720	CA	PHE	A	241	68.684	81.566	0.701	1.00	55.74	C
ATOM	1721	CB	PHE	A	241	67.274	81.400	0.112	1.00	53.91	C
ATOM	1722	CG	PHE	A	241	66.159	81.651	1.094	1.00	51.86	C
ATOM	1723	CD1	PHE	A	241	65.576	82.902	1.204	1.00	51.38	C
ATOM	1724	CD2	PHE	A	241	65.691	80.636	1.907	1.00	50.54	C
ATOM	1725	CE1	PHE	A	241	64.550	83.127	2.103	1.00	48.30	C
ATOM	1726	CE2	PHE	A	241	64.666	80.866	2.806	1.00	48.38	C
ATOM	1727	CZ	PHE	A	241	64.100	82.110	2.898	1.00	46.73	C
ATOM	1728	C	PHE	A	241	69.739	81.179	-0.346	1.00	58.71	C
ATOM	1729	O	PHE	A	241	69.593	81.490	-1.532	1.00	58.31	O
ATOM	1730	N	PRO	A	242	70.815	80.495	0.085	1.00	61.95	N
ATOM	1731	CD	PRO	A	242	70.784	79.657	1.299	1.00	62.53	C
ATOM	1732	CA	PRO	A	242	71.915	80.072	-0.789	1.00	64.19	C
ATOM	1733	CB	PRO	A	242	72.622	78.998	0.037	1.00	63.77	C
ATOM	1734	CG	PRO	A	242	71.518	78.412	0.843	1.00	63.33	C
ATOM	1735	C	PRO	A	242	71.534	79.590	-2.185	1.00	66.51	C
ATOM	1736	O	PRO	A	242	70.829	78.583	-2.347	1.00	66.42	O
ATOM	1737	N	ARG	A	243	72.028	80.326	-3.181	1.00	68.28	N
ATOM	1738	CA	ARG	A	243	71.794	80.054	-4.602	1.00	68.97	C
ATOM	1739	CB	ARG	A	243	72.721	80.925	-5.451	1.00	71.51	C
ATOM	1740	CG	ARG	A	243	72.020	81.880	-6.381	1.00	74.58	C
ATOM	1741	CD	ARG	A	243	73.040	82.645	-7.215	1.00	77.18	C
ATOM	1742	NE	ARG	A	243	73.954	83.432	-6.392	1.00	78.51	N
ATOM	1743	CZ	ARG	A	243	74.894	84.231	-6.886	1.00	80.38	C
ATOM	1744	NH1	ARG	A	243	75.688	84.916	-6.069	1.00	81.23	N
ATOM	1745	NH2	ARG	A	243	75.041	84.345	-8.203	1.00	80.43	N
ATOM	1746	C	ARG	A	243	72.036	78.597	-4.973	1.00	67.76	C
ATOM	1747	O	ARG	A	243	71.359	78.045	-5.840	1.00	66.74	O
ATOM	1748	N	GLU	A	244	73.017	77.987	-4.320	1.00	66.91	N
ATOM	1749	CA	GLU	A	244	73.361	76.602	-4.596	1.00	67.43	C
ATOM	1750	CB	GLU	A	244	74.449	76.126	-3.624	1.00	68.91	C
ATOM	1751	CG	GLU	A	244	75.356	75.024	-4.182	1.00	70.60	C
ATOM	1752	CD	GLU	A	244	76.416	75.559	-5.139	1.00	72.16	C
ATOM	1753	OE1	GLU	A	244	77.619	75.434	-4.806	1.00	72.42	O
ATOM	1754	OE2	GLU	A	244	76.049	76.105	-6.212	1.00	71.74	O
ATOM	1755	C	GLU	A	244	72.134	75.701	-4.473	1.00	66.42	C
ATOM	1756	O	GLU	A	244	71.749	75.010	-5.430	1.00	65.77	O
ATOM	1757	N	VAL	A	245	71.520	75.732	-3.290	1.00	64.63	N
ATOM	1758	CA	VAL	A	245	70.346	74.916	-2.983	1.00	61.48	C
ATOM	1759	CB	VAL	A	245	70.087	74.919	-1.480	1.00	59.59	C
ATOM	1760	CG1	VAL	A	245	69.195	73.775	-1.117	1.00	59.44	C
ATOM	1761	CG2	VAL	A	245	71.392	74.835	-0.738	1.00	59.34	C
ATOM	1762	C	VAL	A	245	69.060	75.337	-3.705	1.00	59.70	C

ATOM	1763	O	VAL	A	245	68.302	74.490	-4.178	1.00	57.38	O
ATOM	1764	N	THR	A	246	68.815	76.639	-3.782	1.00	59.17	N
ATOM	1765	CA	THR	A	246	67.620	77.131	-4.454	1.00	61.05	C
ATOM	1766	CB	THR	A	246	67.495	78.666	-4.340	1.00	61.06	C
ATOM	1767	OG1	THR	A	246	68.675	79.286	-4.860	1.00	62.22	O
ATOM	1768	CG2	THR	A	246	67.318	79.074	-2.896	1.00	61.61	C
ATOM	1769	C	THR	A	246	67.632	76.742	-5.930	1.00	61.15	C
ATOM	1770	O	THR	A	246	66.596	76.396	-6.495	1.00	60.71	O
ATOM	1771	N	ASN	A	247	68.805	76.801	-6.551	1.00	61.25	N
ATOM	1772	CA	ASN	A	247	68.924	76.438	-7.953	1.00	61.91	C
ATOM	1773	CB	ASN	A	247	70.322	76.751	-8.475	1.00	61.38	C
ATOM	1774	CG	ASN	A	247	70.430	78.152	-9.015	1.00	61.73	C
ATOM	1775	OD1	ASN	A	247	69.894	79.099	-8.436	1.00	62.58	O
ATOM	1776	ND2	ASN	A	247	71.131	78.296	-10.127	1.00	61.96	N
ATOM	1777	C	ASN	A	247	68.632	74.963	-8.133	1.00	62.55	C
ATOM	1778	O	ASN	A	247	67.822	74.578	-8.987	1.00	63.23	O
ATOM	1779	N	PHE	A	248	69.285	74.131	-7.333	1.00	62.19	N
ATOM	1780	CA	PHE	A	248	69.052	72.710	-7.457	1.00	63.55	C
ATOM	1781	CB	PHE	A	248	69.727	71.940	-6.330	1.00	62.76	C
ATOM	1782	CG	PHE	A	248	69.344	70.492	-6.293	1.00	63.70	C
ATOM	1783	CD1	PHE	A	248	68.265	70.064	-5.538	1.00	62.96	C
ATOM	1784	CD2	PHE	A	248	70.021	69.560	-7.069	1.00	64.68	C
ATOM	1785	CE1	PHE	A	248	67.865	68.738	-5.559	1.00	61.69	C
ATOM	1786	CE2	PHE	A	248	69.619	68.223	-7.092	1.00	64.07	C
ATOM	1787	CZ	PHE	A	248	68.541	67.818	-6.336	1.00	61.72	C
ATOM	1788	C	PHE	A	248	67.557	72.437	-7.431	1.00	65.10	C
ATOM	1789	O	PHE	A	248	66.993	71.912	-8.391	1.00	66.46	O
ATOM	1790	N	LEU	A	249	66.921	72.822	-6.333	1.00	66.16	N
ATOM	1791	CA	LEU	A	249	65.493	72.616	-6.151	1.00	67.41	C
ATOM	1792	CB	LEU	A	249	65.076	73.117	-4.769	1.00	68.40	C
ATOM	1793	CG	LEU	A	249	64.643	72.058	-3.756	1.00	68.67	C
ATOM	1794	CD1	LEU	A	249	65.776	71.074	-3.487	1.00	68.83	C
ATOM	1795	CD2	LEU	A	249	64.219	72.757	-2.481	1.00	70.40	C
ATOM	1796	C	LEU	A	249	64.583	73.249	-7.203	1.00	68.35	C
ATOM	1797	O	LEU	A	249	63.509	72.721	-7.500	1.00	68.64	O
ATOM	1798	N	ARG	A	250	64.989	74.381	-7.766	1.00	69.07	N
ATOM	1799	CA	ARG	A	250	64.145	75.026	-8.761	1.00	69.84	C
ATOM	1800	CB	ARG	A	250	64.632	76.447	-9.036	1.00	71.44	C
ATOM	1801	CG	ARG	A	250	63.589	77.314	-9.722	1.00	74.12	C
ATOM	1802	CD	ARG	A	250	63.844	78.777	-9.428	1.00	75.81	C
ATOM	1803	NE	ARG	A	250	64.308	79.523	-10.592	1.00	76.95	C
ATOM	1804	CZ	ARG	A	250	64.986	80.663	-10.512	1.00	76.94	C
ATOM	1805	NH1	ARG	A	250	65.277	81.172	-9.323	1.00	77.20	N
ATOM	1806	NH2	ARG	A	250	65.373	81.289	-11.613	1.00	77.10	N
ATOM	1807	C	ARG	A	250	64.143	74.207	-10.041	1.00	69.26	C
ATOM	1808	O	ARG	A	250	63.155	74.179	-10.782	1.00	68.83	O
ATOM	1809	N	LYS	A	251	65.255	73.529	-10.294	1.00	68.87	N
ATOM	1810	CA	LYS	A	251	65.360	72.698	-11.476	1.00	68.67	C
ATOM	1811	CB	LYS	A	251	66.835	72.537	-11.868	1.00	69.35	C
ATOM	1812	CG	LYS	A	251	67.279	73.589	-12.921	1.00	71.13	C
ATOM	1813	CD	LYS	A	251	66.786	75.027	-12.581	1.00	71.39	C
ATOM	1814	CE	LYS	A	251	66.431	75.854	-13.851	1.00	71.16	C
ATOM	1815	NZ	LYS	A	251	65.779	77.185	-13.584	1.00	67.56	N
ATOM	1816	C	LYS	A	251	64.669	71.358	-11.237	1.00	67.41	C
ATOM	1817	O	LYS	A	251	64.072	70.785	-12.152	1.00	67.67	O
ATOM	1818	N	SER	A	252	64.720	70.882	-9.996	1.00	65.95	N
ATOM	1819	CA	SER	A	252	64.075	69.627	-9.627	1.00	64.46	C
ATOM	1820	CB	SER	A	252	64.358	69.290	-8.167	1.00	62.92	C
ATOM	1821	OG	SER	A	252	65.707	68.906	-7.976	1.00	62.07	O
ATOM	1822	C	SER	A	252	62.575	69.733	-9.824	1.00	64.66	C
ATOM	1823	O	SER	A	252	61.956	68.882	-10.450	1.00	63.12	O
ATOM	1824	N	VAL	A	253	61.993	70.789	-9.276	1.00	67.42	N
ATOM	1825	CA	VAL	A	253	60.561	71.004	-9.394	1.00	71.19	C
ATOM	1826	CB	VAL	A	253	60.145	72.356	-8.776	1.00	71.68	C
ATOM	1827	CG1	VAL	A	253	58.640	72.536	-8.873	1.00	71.64	C
ATOM	1828	CG2	VAL	A	253	60.589	72.419	-7.330	1.00	72.20	C
ATOM	1829	C	VAL	A	253	60.160	70.991	-10.860	1.00	73.42	C
ATOM	1830	O	VAL	A	253	59.164	70.380	-11.232	1.00	73.33	O
ATOM	1831	N	LYS	A	254	60.943	71.667	-11.692	1.00	77.09	N
ATOM	1832	CA	LYS	A	254	60.653	71.723	-13.118	1.00	80.12	C
ATOM	1833	CB	LYS	A	254	61.675	72.619	-13.834	1.00	80.17	C
ATOM	1834	CG	LYS	A	254	61.271	72.974	-15.261	1.00	81.18	C
ATOM	1835	CD	LYS	A	254	59.906	73.665	-15.280	1.00	82.37	C
ATOM	1836	CE	LYS	A	254	59.350	73.812	-16.694	1.00	83.26	C
ATOM	1837	NZ	LYS	A	254	60.203	74.653	-17.585	1.00	82.75	N
ATOM	1838	C	LYS	A	254	60.666	70.313	-13.724	1.00	81.69	C
ATOM	1839	O	LYS	A	254	59.806	69.967	-14.544	1.00	81.01	O

ATOM	1840	N	ARG	A	255	61.639	69.503	-13.301	1.00	84.03	N
ATOM	1841	CA	ARG	A	255	61.780	68.138	-13.801	1.00	85.48	C
ATOM	1842	CB	ARG	A	255	62.938	67.416	-13.090	1.00	87.11	C
ATOM	1843	CG	ARG	A	255	63.298	66.072	-13.716	1.00	91.67	C
ATOM	1844	CD	ARG	A	255	64.819	65.884	-13.863	1.00	96.29	C
ATOM	1845	NE	ARG	A	255	65.166	64.847	-14.848	1.00	100.11	N
ATOM	1846	CZ	ARG	A	255	66.409	64.555	-15.242	1.00	101.34	C
ATOM	1847	NH1	ARG	A	255	67.447	65.215	-14.737	1.00	101.99	N
ATOM	1848	NH2	ARG	A	255	66.618	63.606	-16.151	1.00	100.47	N
ATOM	1849	C	ARG	A	255	60.486	67.361	-13.618	1.00	85.04	C
ATOM	1850	O	ARG	A	255	59.864	66.936	-14.592	1.00	85.13	O
ATOM	1851	N	MET	A	256	60.066	67.201	-12.372	1.00	84.88	N
ATOM	1852	CA	MET	A	256	58.847	66.464	-12.090	1.00	85.50	C
ATOM	1853	CB	MET	A	256	58.817	66.060	-10.618	1.00	86.75	C
ATOM	1854	CG	MET	A	256	58.904	67.219	-9.637	1.00	88.47	C
ATOM	1855	SD	MET	A	256	59.887	66.792	-8.172	1.00	88.96	S
ATOM	1856	CE	MET	A	256	59.600	64.999	-8.077	1.00	89.97	C
ATOM	1857	C	MET	A	256	57.576	67.215	-12.461	1.00	85.60	C
ATOM	1858	O	MET	A	256	56.491	66.641	-12.447	1.00	85.12	O
ATOM	1859	N	LYS	A	257	57.701	68.499	-12.784	1.00	86.71	N
ATOM	1860	CA	LYS	A	257	56.537	69.283	-13.187	1.00	87.28	C
ATOM	1861	CB	LYS	A	257	56.893	70.770	-13.309	1.00	87.64	C
ATOM	1862	CG	LYS	A	257	56.076	71.700	-12.414	1.00	88.78	C
ATOM	1863	CD	LYS	A	257	56.122	73.143	-12.936	1.00	90.89	C
ATOM	1864	CE	LYS	A	257	56.869	74.091	-11.992	1.00	91.75	C
ATOM	1865	NZ	LYS	A	257	57.690	75.112	-12.723	1.00	91.61	N
ATOM	1866	C	LYS	A	257	56.164	68.738	-14.561	1.00	87.65	C
ATOM	1867	O	LYS	A	257	55.006	68.796	-14.988	1.00	87.21	O
ATOM	1868	N	GLU	A	258	57.175	68.191	-15.235	1.00	87.44	N
ATOM	1869	CA	GLU	A	258	57.023	67.625	-16.564	1.00	86.49	C
ATOM	1870	CB	GLU	A	258	58.320	67.814	-17.327	1.00	85.59	C
ATOM	1871	CG	GLU	A	258	58.214	67.561	-18.801	1.00	86.38	C
ATOM	1872	CD	GLU	A	258	59.503	67.898	-19.500	1.00	86.74	C
ATOM	1873	OE1	GLU	A	258	60.570	67.660	-18.891	1.00	88.12	O
ATOM	1874	OE2	GLU	A	258	59.454	68.390	-20.646	1.00	86.22	O
ATOM	1875	C	GLU	A	258	56.662	66.147	-16.489	1.00	86.42	C
ATOM	1876	O	GLU	A	258	55.809	65.669	-17.239	1.00	86.28	O
ATOM	1877	N	SER	A	259	57.311	65.430	-15.576	1.00	86.82	N
ATOM	1878	CA	SER	A	259	57.059	64.003	-15.377	1.00	86.93	C
ATOM	1879	CB	SER	A	259	57.989	63.445	-14.304	1.00	85.96	C
ATOM	1880	OG	SER	A	259	59.346	63.703	-14.612	1.00	86.12	O
ATOM	1881	C	SER	A	259	55.613	63.757	-14.950	1.00	88.16	C
ATOM	1882	O	SER	A	259	55.025	62.732	-15.282	1.00	89.52	O
ATOM	1883	N	ARG	A	260	55.053	64.696	-14.197	1.00	89.15	N
ATOM	1884	CA	ARG	A	260	53.675	64.591	-13.722	1.00	88.66	C
ATOM	1885	CB	ARG	A	260	53.325	65.814	-12.866	1.00	89.39	C
ATOM	1886	CG	ARG	A	260	53.017	65.534	-11.393	1.00	90.26	C
ATOM	1887	CD	ARG	A	260	54.252	65.178	-10.566	1.00	91.20	C
ATOM	1888	NE	ARG	A	260	54.030	65.467	-9.146	1.00	91.98	N
ATOM	1889	CZ	ARG	A	260	54.915	65.253	-8.173	1.00	92.26	C
ATOM	1890	NH1	ARG	A	260	56.109	64.734	-8.445	1.00	91.50	N
ATOM	1891	NH2	ARG	A	260	54.608	65.565	-6.920	1.00	91.55	N
ATOM	1892	C	ARG	A	260	52.690	64.484	-14.890	1.00	87.72	C
ATOM	1893	O	ARG	A	260	51.841	63.577	-14.837	1.00	87.49	O
ATOM	1894	OXT	ARG	A	260	52.773	65.311	-15.832	1.00	87.12	O
TER	1895		ARG	A	260						
ATOM	1896	CB	PHE	A	271	52.933	70.571	-1.015	1.00	84.01	C
ATOM	1897	CG	PHE	A	271	52.577	70.439	0.446	1.00	83.52	C
ATOM	1898	CD1	PHE	A	271	51.275	70.646	0.877	1.00	83.34	C
ATOM	1899	CD2	PHE	A	271	53.542	70.127	1.393	1.00	83.27	C
ATOM	1900	CE1	PHE	A	271	50.939	70.545	2.223	1.00	81.78	C
ATOM	1901	CE2	PHE	A	271	53.208	70.026	2.742	1.00	82.77	C
ATOM	1902	CZ	PHE	A	271	51.905	70.236	3.153	1.00	81.02	C
ATOM	1903	C	PHE	A	271	52.218	70.358	-3.394	1.00	85.67	C
ATOM	1904	O	PHE	A	271	51.600	71.308	-3.879	1.00	85.70	O
ATOM	1905	N	PHE	A	271	52.055	68.396	-1.895	1.00	84.31	N
ATOM	1906	CA	PHE	A	271	51.947	69.879	-1.974	1.00	85.08	C
ATOM	1907	N	LEU	A	272	53.155	69.701	-4.061	1.00	86.76	N
ATOM	1908	CA	LEU	A	272	53.505	70.062	-5.431	1.00	87.88	C
ATOM	1909	CB	LEU	A	272	54.774	69.311	-5.873	1.00	88.58	C
ATOM	1910	CG	LEU	A	272	55.445	69.613	-7.222	1.00	88.85	C
ATOM	1911	CD1	LEU	A	272	54.856	68.745	-8.316	1.00	89.82	C
ATOM	1912	CD2	LEU	A	272	55.297	71.091	-7.549	1.00	88.91	C
ATOM	1913	C	LEU	A	272	52.334	69.701	-6.327	1.00	88.04	C
ATOM	1914	O	LEU	A	272	51.936	70.469	-7.203	1.00	87.07	O
ATOM	1915	N	GLN	A	273	51.765	68.527	-6.083	1.00	88.92	N
ATOM	1916	CA	GLN	A	273	50.640	68.071	-6.874	1.00	89.93	C

ATOM	1917	CB	GLN	A	273	50.335	66.609	-6.550	1.00	90.28	C
ATOM	1918	CG	GLN	A	273	50.915	65.633	-7.566	1.00	90.56	C
ATOM	1919	CD	GLN	A	273	50.049	65.509	-8.805	1.00	90.80	C
ATOM	1920	OE1	GLN	A	273	50.465	64.939	-9.811	1.00	91.09	O
ATOM	1921	NE2	GLN	A	273	48.830	66.033	-8.731	1.00	90.80	N
ATOM	1922	C	GLN	A	273	49.394	68.934	-6.695	1.00	90.08	C
ATOM	1923	O	GLN	A	273	48.567	69.030	-7.604	1.00	90.81	O
ATOM	1924	N	LEU	A	274	49.255	69.576	-5.540	1.00	89.50	N
ATOM	1925	CA	LEU	A	274	48.087	70.423	-5.321	1.00	88.77	C
ATOM	1926	CB	LEU	A	274	47.719	70.447	-3.836	1.00	89.43	C
ATOM	1927	CG	LEU	A	274	47.155	69.100	-3.371	1.00	89.82	C
ATOM	1928	CD1	LEU	A	274	46.907	69.117	-1.877	1.00	89.39	C
ATOM	1929	CD2	LEU	A	274	45.860	68.806	-4.127	1.00	90.92	C
ATOM	1930	C	LEU	A	274	48.243	71.846	-5.864	1.00	87.80	C
ATOM	1931	O	LEU	A	274	47.281	72.424	-6.374	1.00	87.76	O
ATOM	1932	N	MET	A	275	49.444	72.408	-5.764	1.00	86.98	N
ATOM	1933	CA	MET	A	275	49.679	73.751	-6.271	1.00	85.99	C
ATOM	1934	CB	MET	A	275	51.088	74.250	-5.902	1.00	84.89	C
ATOM	1935	CG	MET	A	275	51.283	74.466	-4.404	1.00	83.55	C
ATOM	1936	SD	MET	A	275	52.918	75.097	-3.982	1.00	79.59	S
ATOM	1937	CE	MET	A	275	53.834	73.579	-3.846	1.00	80.56	C
ATOM	1938	C	MET	A	275	49.603	73.618	-7.745	1.00	85.79	C
ATOM	1939	O	MET	A	275	48.985	74.451	-8.448	1.00	85.44	O
ATOM	1940	N	ILE	A	276	50.185	72.526	-8.226	1.00	86.83	N
ATOM	1941	CA	ILE	A	276	50.231	72.308	-9.660	1.00	87.57	C
ATOM	1942	CB	ILE	A	276	50.946	70.979	-10.069	1.00	86.86	C
ATOM	1943	CG2	ILE	A	276	50.084	69.821	-9.779	1.00	86.84	C
ATOM	1944	CG1	ILE	A	276	51.276	71.039	-11.555	1.00	86.68	C
ATOM	1945	CD1	ILE	A	276	52.556	71.809	-11.888	1.00	88.48	C
ATOM	1946	C	ILE	A	276	48.784	72.320	-10.243	1.00	87.91	C
ATOM	1947	O	ILE	A	276	47.669	72.737	-10.750	1.00	88.59	O
ATOM	1948	OXT	ILE	A	276	49.491	73.307	-10.761	1.00	89.97	O
TER	1949		ILE	A	276						
ATOM	1950	CB	SER	A	291	53.803	82.862	-11.128	1.00	79.93	C
ATOM	1951	OG	SER	A	291	54.923	82.734	-11.997	1.00	78.70	O
ATOM	1952	C	SER	A	291	53.541	80.406	-11.324	1.00	82.96	C
ATOM	1953	O	SER	A	291	53.602	79.749	-10.285	1.00	82.74	O
ATOM	1954	N	SER	A	291	51.612	81.841	-10.474	1.00	80.41	N
ATOM	1955	CA	SER	A	291	52.792	81.739	-11.387	1.00	81.80	C
ATOM	1956	N	ASP	A	292	54.129	80.038	-12.462	1.00	84.46	N
ATOM	1957	CA	ASP	A	292	54.875	78.803	-12.627	1.00	85.52	C
ATOM	1958	CB	ASP	A	292	55.234	78.648	-14.109	1.00	86.87	C
ATOM	1959	CG	ASP	A	292	55.546	77.220	-14.493	1.00	88.91	C
ATOM	1960	OD1	ASP	A	292	54.626	76.373	-14.424	1.00	89.18	O
ATOM	1961	OD2	ASP	A	292	56.710	76.944	-14.863	1.00	90.57	O
ATOM	1962	C	ASP	A	292	56.144	78.786	-11.765	1.00	85.35	C
ATOM	1963	O	ASP	A	292	56.578	77.729	-11.297	1.00	86.10	O
ATOM	1964	N	LEU	A	293	56.737	79.954	-11.553	1.00	84.34	N
ATOM	1965	CA	LEU	A	293	57.955	80.029	-10.759	1.00	83.49	C
ATOM	1966	CB	LEU	A	293	59.045	80.811	-11.510	1.00	84.86	C
ATOM	1967	CG	LEU	A	293	59.775	80.110	-12.683	1.00	86.18	C
ATOM	1968	CD1	LEU	A	293	60.465	78.833	-12.177	1.00	86.14	C
ATOM	1969	CD2	LEU	A	293	58.800	79.781	-13.817	1.00	85.00	C
ATOM	1970	C	LEU	A	293	57.731	80.613	-9.368	1.00	81.93	C
ATOM	1971	O	LEU	A	293	58.682	80.842	-8.617	1.00	81.80	O
ATOM	1972	N	GLU	A	294	56.477	80.875	-9.027	1.00	79.39	N
ATOM	1973	CA	GLU	A	294	56.186	81.365	-7.689	1.00	77.23	C
ATOM	1974	CB	GLU	A	294	54.888	82.171	-7.638	1.00	78.17	C
ATOM	1975	CG	GLU	A	294	54.999	83.609	-8.102	1.00	79.28	C
ATOM	1976	CD	GLU	A	294	53.756	84.420	-7.765	1.00	79.99	C
ATOM	1977	OE1	GLU	A	294	52.633	83.898	-7.931	1.00	79.62	O
ATOM	1978	OE2	GLU	A	294	53.902	85.584	-7.344	1.00	80.88	O
ATOM	1979	C	GLU	A	294	56.001	80.076	-6.917	1.00	75.48	C
ATOM	1980	O	GLU	A	294	56.252	80.005	-5.714	1.00	76.05	O
ATOM	1981	N	LEU	A	295	55.560	79.051	-7.642	1.00	72.72	N
ATOM	1982	CA	LEU	A	295	55.333	77.731	-7.076	1.00	69.55	C
ATOM	1983	CB	LEU	A	295	54.815	76.784	-8.165	1.00	69.21	C
ATOM	1984	CG	LEU	A	295	54.459	75.333	-7.807	1.00	69.19	C
ATOM	1985	CD1	LEU	A	295	53.582	74.747	-8.904	1.00	67.85	C
ATOM	1986	CD2	LEU	A	295	55.725	74.495	-7.615	1.00	67.61	C
ATOM	1987	C	LEU	A	295	56.633	77.195	-6.477	1.00	67.89	C
ATOM	1988	O	LEU	A	295	56.618	76.525	-5.443	1.00	67.09	O
ATOM	1989	N	VAL	A	296	57.756	77.495	-7.125	1.00	65.95	N
ATOM	1990	CA	VAL	A	296	59.059	77.044	-6.636	1.00	64.35	C
ATOM	1991	CB	VAL	A	296	60.185	77.319	-7.665	1.00	65.14	C
ATOM	1992	CG1	VAL	A	296	61.515	76.768	-7.146	1.00	64.90	C
ATOM	1993	CG2	VAL	A	296	59.836	76.700	-9.006	1.00	65.15	C

ATOM	1994	C	VAL	A	296	59.417	77.772	-5.341	1.00	62.97	C
ATOM	1995	O	VAL	A	296	60.153	77.247	-4.508	1.00	61.25	O
ATOM	1996	N	ALA	A	297	58.891	78.985	-5.187	1.00	62.12	N
ATOM	1997	CA	ALA	A	297	59.151	79.795	-4.005	1.00	60.86	C
ATOM	1998	CB	ALA	A	297	58.693	81.211	-4.232	1.00	61.28	C
ATOM	1999	C	ALA	A	297	58.446	79.223	-2.800	1.00	60.33	C
ATOM	2000	O	ALA	A	297	59.037	79.113	-1.729	1.00	61.18	O
ATOM	2001	N	GLN	A	298	57.178	78.869	-2.968	1.00	59.16	N
ATOM	2002	CA	GLN	A	298	56.408	78.306	-1.865	1.00	58.27	C
ATOM	2003	CB	GLN	A	298	54.961	78.062	-2.287	1.00	58.12	C
ATOM	2004	CG	GLN	A	298	54.266	79.276	-2.841	1.00	58.03	C
ATOM	2005	CD	GLN	A	298	54.679	80.531	-2.123	1.00	58.19	C
ATOM	2006	OE1	GLN	A	298	54.743	80.564	-0.895	1.00	57.09	O
ATOM	2007	NE2	GLN	A	298	54.962	81.581	-2.884	1.00	59.28	N
ATOM	2008	C	GLN	A	298	57.014	76.984	-1.421	1.00	57.88	C
ATOM	2009	O	GLN	A	298	57.331	76.785	-0.243	1.00	58.41	O
ATOM	2010	N	SER	A	299	57.175	76.078	-2.378	1.00	56.54	N
ATOM	2011	CA	SER	A	299	57.723	74.767	-2.086	1.00	55.28	C
ATOM	2012	CB	SER	A	299	58.042	74.015	-3.386	1.00	56.28	C
ATOM	2013	OG	SER	A	299	59.018	74.696	-4.155	1.00	60.37	O
ATOM	2014	C	SER	A	299	58.958	74.868	-1.201	1.00	52.92	C
ATOM	2015	O	SER	A	299	59.040	74.189	-0.189	1.00	55.06	O
ATOM	2016	N	ILE	A	300	59.910	75.719	-1.564	1.00	50.24	N
ATOM	2017	CA	ILE	A	300	61.121	75.878	-0.761	1.00	48.49	C
ATOM	2018	CB	ILE	A	300	62.101	76.856	-1.437	1.00	47.48	C
ATOM	2019	CG2	ILE	A	300	63.365	76.977	-0.621	1.00	46.03	C
ATOM	2020	CG1	ILE	A	300	62.441	76.360	-2.837	1.00	48.64	C
ATOM	2021	CD1	ILE	A	300	63.396	77.262	-3.594	1.00	49.55	C
ATOM	2022	C	ILE	A	300	60.804	76.397	0.656	1.00	48.27	C
ATOM	2023	O	ILE	A	300	61.384	75.947	1.653	1.00	46.44	O
ATOM	2024	N	ILE	A	301	59.876	77.343	0.743	1.00	46.96	N
ATOM	2025	CA	ILE	A	301	59.504	77.897	2.024	1.00	45.69	C
ATOM	2026	CB	ILE	A	301	58.481	79.030	1.851	1.00	44.94	C
ATOM	2027	CG2	ILE	A	301	57.267	78.797	2.730	1.00	44.43	C
ATOM	2028	CG1	ILE	A	301	59.157	80.373	2.169	1.00	45.89	C
ATOM	2029	CD1	ILE	A	301	59.887	80.412	3.507	1.00	41.75	C
ATOM	2030	C	ILE	A	301	58.950	76.835	2.962	1.00	45.81	C
ATOM	2031	O	ILE	A	301	59.429	76.684	4.081	1.00	46.78	O
ATOM	2032	N	PHE	A	302	57.959	76.077	2.517	1.00	45.21	N
ATOM	2033	CA	PHE	A	302	57.393	75.064	3.393	1.00	44.89	C
ATOM	2034	CB	PHE	A	302	56.429	74.161	2.625	1.00	45.70	C
ATOM	2035	CG	PHE	A	302	55.304	74.901	1.966	1.00	46.47	C
ATOM	2036	CD1	PHE	A	302	54.868	76.119	2.467	1.00	45.06	C
ATOM	2037	CD2	PHE	A	302	54.668	74.369	0.851	1.00	46.48	C
ATOM	2038	CE1	PHE	A	302	53.826	76.791	1.870	1.00	44.88	C
ATOM	2039	CE2	PHE	A	302	53.622	75.040	0.250	1.00	44.47	C
ATOM	2040	CZ	PHE	A	302	53.203	76.248	0.757	1.00	45.56	C
ATOM	2041	C	PHE	A	302	58.487	74.220	4.033	1.00	43.87	C
ATOM	2042	O	PHE	A	302	58.402	73.853	5.205	1.00	46.21	O
ATOM	2043	N	ILE	A	303	59.519	73.914	3.264	1.00	42.11	N
ATOM	2044	CA	ILE	A	303	60.612	73.115	3.778	1.00	40.82	C
ATOM	2045	CB	ILE	A	303	61.552	72.711	2.660	1.00	41.11	C
ATOM	2046	CG2	ILE	A	303	62.754	71.981	3.236	1.00	39.44	C
ATOM	2047	CG1	ILE	A	303	60.779	71.869	1.641	1.00	40.98	C
ATOM	2048	CD1	ILE	A	303	61.604	71.424	0.462	1.00	42.18	C
ATOM	2049	C	ILE	A	303	61.381	73.932	4.792	1.00	41.03	C
ATOM	2050	O	ILE	A	303	61.807	73.424	5.829	1.00	39.60	O
ATOM	2051	N	PHE	A	304	61.548	75.212	4.486	1.00	41.41	N
ATOM	2052	CA	PHE	A	304	62.261	76.123	5.374	1.00	41.06	C
ATOM	2053	CB	PHE	A	304	62.367	77.500	4.715	1.00	41.56	C
ATOM	2054	CG	PHE	A	304	63.162	78.491	5.499	1.00	41.44	C
ATOM	2055	CD1	PHE	A	304	64.504	78.274	5.764	1.00	42.60	C
ATOM	2056	CD2	PHE	A	304	62.557	79.639	5.982	1.00	42.71	C
ATOM	2057	CE1	PHE	A	304	65.236	79.194	6.513	1.00	46.19	C
ATOM	2058	CE2	PHE	A	304	63.270	80.567	6.727	1.00	45.91	C
ATOM	2059	CZ	PHE	A	304	64.616	80.346	6.999	1.00	47.40	C
ATOM	2060	C	PHE	A	304	61.537	76.224	6.720	1.00	40.37	C
ATOM	2061	O	PHE	A	304	62.156	76.086	7.778	1.00	40.57	O
ATOM	2062	N	ALA	A	305	60.225	76.435	6.673	1.00	39.93	N
ATOM	2063	CA	ALA	A	305	59.416	76.562	7.879	1.00	40.31	C
ATOM	2064	CB	ALA	A	305	58.136	77.273	7.548	1.00	40.25	C
ATOM	2065	C	ALA	A	305	59.100	75.250	8.609	1.00	41.49	C
ATOM	2066	O	ALA	A	305	58.877	75.250	9.817	1.00	41.75	O
ATOM	2067	N	GLY	A	306	59.106	74.128	7.902	1.00	42.25	N
ATOM	2068	CA	GLY	A	306	58.781	72.881	8.568	1.00	44.33	C
ATOM	2069	C	GLY	A	306	59.866	71.908	8.999	1.00	45.88	C
ATOM	2070	O	GLY	A	306	59.645	71.105	9.898	1.00	44.90	O

ATOM	2071	N	TYR	A	307	61.031	71.968	8.374	1.00	47.86	N
ATOM	2072	CA	TYR	A	307	62.112	71.054	8.688	1.00	49.83	C
ATOM	2073	CB	TYR	A	307	63.248	71.270	7.706	1.00	51.28	C
ATOM	2074	CG	TYR	A	307	64.454	70.382	7.917	1.00	53.27	C
ATOM	2075	CD1	TYR	A	307	65.723	70.829	7.588	1.00	53.44	C
ATOM	2076	CE1	TYR	A	307	66.820	70.010	7.705	1.00	55.21	C
ATOM	2077	CD2	TYR	A	307	64.320	69.081	8.379	1.00	54.97	C
ATOM	2078	CE2	TYR	A	307	65.415	68.251	8.497	1.00	55.96	C
ATOM	2079	CZ	TYR	A	307	66.662	68.721	8.157	1.00	56.58	C
ATOM	2080	OH	TYR	A	307	67.751	67.888	8.262	1.00	57.93	O
ATOM	2081	C	TYR	A	307	62.663	71.149	10.099	1.00	52.25	C
ATOM	2082	O	TYR	A	307	62.139	70.545	11.026	1.00	54.31	O
ATOM	2083	N	GLU	A	308	63.745	71.899	10.256	1.00	55.10	N
ATOM	2084	CA	GLU	A	308	64.400	72.045	11.551	1.00	56.71	C
ATOM	2085	CB	GLU	A	308	65.617	72.968	11.412	1.00	59.62	C
ATOM	2086	CG	GLU	A	308	66.610	72.867	12.562	1.00	66.07	C
ATOM	2087	CD	GLU	A	308	67.843	73.748	12.367	1.00	69.94	C
ATOM	2088	OE1	GLU	A	308	67.683	74.988	12.265	1.00	71.24	O
ATOM	2089	OE2	GLU	A	308	68.972	73.197	12.320	1.00	71.71	O
ATOM	2090	C	GLU	A	308	63.439	72.589	12.599	1.00	55.70	C
ATOM	2091	O	GLU	A	308	63.731	72.615	13.794	1.00	56.24	O
ATOM	2092	N	THR	A	309	62.276	73.023	12.141	1.00	55.41	N
ATOM	2093	CA	THR	A	309	61.280	73.573	13.045	1.00	54.57	C
ATOM	2094	CB	THR	A	309	60.243	74.395	12.248	1.00	52.99	C
ATOM	2095	OG1	THR	A	309	59.911	75.580	12.976	1.00	54.68	O
ATOM	2096	CG2	THR	A	309	58.994	73.595	12.021	1.00	51.97	C
ATOM	2097	C	THR	A	309	60.588	72.449	13.827	1.00	53.85	C
ATOM	2098	O	THR	A	309	60.376	72.559	15.036	1.00	53.57	O
ATOM	2099	N	THR	A	310	60.278	71.359	13.123	1.00	52.78	N
ATOM	2100	CA	THR	A	310	59.603	70.198	13.685	1.00	50.84	C
ATOM	2101	CB	THR	A	310	59.035	69.317	12.591	1.00	48.98	C
ATOM	2102	OG1	THR	A	310	58.023	70.026	11.881	1.00	50.30	O
ATOM	2103	CG2	THR	A	310	58.436	68.099	13.174	1.00	47.37	C
ATOM	2104	C	THR	A	310	60.500	69.317	14.519	1.00	52.31	C
ATOM	2105	O	THR	A	310	60.133	68.912	15.618	1.00	53.63	O
ATOM	2106	N	SER	A	311	61.672	68.996	13.994	1.00	52.55	N
ATOM	2107	CA	SER	A	311	62.581	68.130	14.728	1.00	53.33	C
ATOM	2108	CB	SER	A	311	63.786	67.776	13.862	1.00	55.53	C
ATOM	2109	OG	SER	A	311	64.608	68.911	13.661	1.00	58.23	O
ATOM	2110	C	SER	A	311	63.054	68.821	15.997	1.00	52.93	C
ATOM	2111	O	SER	A	311	63.392	68.165	16.987	1.00	53.23	O
ATOM	2112	N	SER	A	312	63.068	70.149	15.959	1.00	51.05	N
ATOM	2113	CA	SER	A	312	63.511	70.944	17.088	1.00	48.76	C
ATOM	2114	CB	SER	A	312	63.662	72.397	16.662	1.00	48.33	C
ATOM	2115	OG	SER	A	312	64.213	73.160	17.709	1.00	51.69	O
ATOM	2116	C	SER	A	312	62.515	70.839	18.227	1.00	48.70	C
ATOM	2117	O	SER	A	312	62.896	70.685	19.388	1.00	50.33	O
ATOM	2118	N	VAL	A	313	61.232	70.929	17.888	1.00	47.71	N
ATOM	2119	CA	VAL	A	313	60.153	70.846	18.874	1.00	43.91	C
ATOM	2120	CB	VAL	A	313	58.810	71.178	18.233	1.00	40.84	C
ATOM	2121	CG1	VAL	A	313	57.693	70.748	19.139	1.00	39.06	C
ATOM	2122	CG2	VAL	A	313	58.739	72.644	17.948	1.00	37.87	C
ATOM	2123	C	VAL	A	313	60.068	69.444	19.454	1.00	43.89	C
ATOM	2124	O	VAL	A	313	59.978	69.277	20.667	1.00	41.56	O
ATOM	2125	N	LEU	A	314	60.104	68.453	18.557	1.00	44.11	N
ATOM	2126	CA	LEU	A	314	60.044	67.030	18.898	1.00	44.47	C
ATOM	2127	CB	LEU	A	314	60.170	66.172	17.632	1.00	42.64	C
ATOM	2128	CG	LEU	A	314	58.914	65.708	16.903	1.00	41.01	C
ATOM	2129	CD1	LEU	A	314	59.302	64.959	15.661	1.00	38.79	C
ATOM	2130	CD2	LEU	A	314	58.093	64.815	17.823	1.00	41.33	C
ATOM	2131	C	LEU	A	314	61.139	66.609	19.862	1.00	44.80	C
ATOM	2132	O	LEU	A	314	60.918	65.813	20.760	1.00	45.52	O
ATOM	2133	N	SER	A	315	62.336	67.128	19.666	1.00	46.33	N
ATOM	2134	CA	SER	A	315	63.422	66.755	20.545	1.00	47.90	C
ATOM	2135	CB	SER	A	315	64.758	67.245	19.978	1.00	48.57	C
ATOM	2136	OG	SER	A	315	64.944	68.627	20.238	1.00	50.05	O
ATOM	2137	C	SER	A	315	63.193	67.341	21.933	1.00	48.37	C
ATOM	2138	O	SER	A	315	63.625	66.759	22.921	1.00	49.78	O
ATOM	2139	N	PHE	A	316	62.521	68.489	22.002	1.00	48.92	N
ATOM	2140	CA	PHE	A	316	62.234	69.150	23.277	1.00	50.54	C
ATOM	2141	CB	PHE	A	316	61.616	70.528	23.035	1.00	52.62	C
ATOM	2142	CG	PHE	A	316	62.614	71.632	22.854	1.00	54.97	C
ATOM	2143	CD1	PHE	A	316	62.508	72.512	21.784	1.00	55.99	C
ATOM	2144	CD2	PHE	A	316	63.632	71.826	23.774	1.00	55.81	C
ATOM	2145	CE1	PHE	A	316	63.404	73.571	21.638	1.00	57.37	C
ATOM	2146	CE2	PHE	A	316	64.534	72.885	23.636	1.00	57.14	C
ATOM	2147	CZ	PHE	A	316	64.419	73.757	22.569	1.00	57.18	C

ATOM	2148	C	PHE	A	316	61.238	68.303	24.059	1.00	51.65	C
ATOM	2149	O	PHE	A	316	61.357	68.113	25.271	1.00	52.31	O
ATOM	2150	N	ILE	A	317	60.243	67.800	23.343	1.00	51.76	N
ATOM	2151	CA	ILE	A	317	59.212	66.977	23.930	1.00	51.52	C
ATOM	2152	CB	ILE	A	317	58.156	66.638	22.878	1.00	50.09	C
ATOM	2153	CG2	ILE	A	317	57.365	65.426	23.294	1.00	49.27	C
ATOM	2154	CG1	ILE	A	317	57.283	67.868	22.641	1.00	47.42	C
ATOM	2155	CD1	ILE	A	317	56.291	67.716	21.513	1.00	46.85	C
ATOM	2156	C	ILE	A	317	59.797	65.707	24.529	1.00	53.41	O
ATOM	2157	O	ILE	A	317	59.498	65.367	25.671	1.00	55.16	C
ATOM	2158	N	MET	A	318	60.638	65.003	23.787	1.00	54.62	N
ATOM	2159	CA	MET	A	318	61.217	63.791	24.341	1.00	56.74	C
ATOM	2160	CB	MET	A	318	62.050	63.050	23.310	1.00	58.37	C
ATOM	2161	CG	MET	A	318	61.628	61.616	23.180	1.00	61.07	C
ATOM	2162	SD	MET	A	318	59.886	61.592	22.720	1.00	66.46	S
ATOM	2163	CE	MET	A	318	59.351	60.027	23.419	1.00	62.85	C
ATOM	2164	C	MET	A	318	62.091	64.120	25.537	1.00	57.67	C
ATOM	2165	O	MET	A	318	62.405	63.246	26.354	1.00	58.89	O
ATOM	2166	N	TYR	A	319	62.499	65.379	25.648	1.00	56.25	N
ATOM	2167	CA	TYR	A	319	63.324	65.756	26.776	1.00	56.55	C
ATOM	2168	CB	TYR	A	319	64.028	67.086	26.525	1.00	53.69	C
ATOM	2169	CG	TYR	A	319	64.508	67.737	27.802	1.00	52.15	C
ATOM	2170	CD1	TYR	A	319	65.689	67.326	28.427	1.00	50.67	C
ATOM	2171	CE1	TYR	A	319	66.099	67.895	29.635	1.00	50.07	C
ATOM	2172	CD2	TYR	A	319	63.747	68.734	28.417	1.00	51.81	C
ATOM	2173	CE2	TYR	A	319	64.141	69.306	29.616	1.00	52.15	C
ATOM	2174	CZ	TYR	A	319	65.316	68.884	30.222	1.00	52.41	C
ATOM	2175	OH	TYR	A	319	65.692	69.469	31.417	1.00	53.91	O
ATOM	2176	C	TYR	A	319	62.438	65.872	28.011	1.00	58.79	C
ATOM	2177	O	TYR	A	319	62.755	65.326	29.077	1.00	57.62	O
ATOM	2178	N	GLU	A	320	61.318	66.579	27.874	1.00	60.90	N
ATOM	2179	CA	GLU	A	320	60.437	66.738	29.017	1.00	63.67	C
ATOM	2180	CB	GLU	A	320	59.245	67.639	28.680	1.00	63.16	C
ATOM	2181	CG	GLU	A	320	59.600	69.114	28.420	1.00	66.69	C
ATOM	2182	CD	GLU	A	320	60.375	69.793	29.562	1.00	69.68	C
ATOM	2183	OE1	GLU	A	320	60.266	71.029	29.695	1.00	70.39	O
ATOM	2184	OE2	GLU	A	320	61.105	69.116	30.319	1.00	73.22	O
ATOM	2185	C	GLU	A	320	59.975	65.384	29.551	1.00	65.25	C
ATOM	2186	O	GLU	A	320	59.692	65.255	30.736	1.00	66.40	O
ATOM	2187	N	LEU	A	321	59.930	64.369	28.693	1.00	65.99	N
ATOM	2188	CA	LEU	A	321	59.534	63.037	29.134	1.00	67.73	C
ATOM	2189	CB	LEU	A	321	59.061	62.227	27.935	1.00	66.31	C
ATOM	2190	CG	LEU	A	321	57.898	62.883	27.186	1.00	65.93	C
ATOM	2191	CD1	LEU	A	321	57.359	61.926	26.141	1.00	63.44	C
ATOM	2192	CD2	LEU	A	321	56.794	63.259	28.164	1.00	65.41	C
ATOM	2193	C	LEU	A	321	60.694	62.313	29.863	1.00	71.45	C
ATOM	2194	O	LEU	A	321	60.740	61.074	29.935	1.00	70.46	O
ATOM	2195	N	ALA	A	322	61.613	63.121	30.402	1.00	74.86	N
ATOM	2196	CA	ALA	A	322	62.794	62.682	31.155	1.00	75.39	C
ATOM	2197	CB	ALA	A	322	64.043	62.801	30.294	1.00	75.36	C
ATOM	2198	C	ALA	A	322	62.879	63.622	32.365	1.00	76.85	C
ATOM	2199	O	ALA	A	322	63.454	64.713	32.305	1.00	76.79	O
ATOM	2200	N	THR	A	323	62.273	63.144	33.447	1.00	78.45	N
ATOM	2201	CA	THR	A	323	62.106	63.774	34.760	1.00	79.70	C
ATOM	2202	CB	THR	A	323	63.039	64.957	35.081	1.00	82.15	C
ATOM	2203	OG1	THR	A	323	63.076	65.117	36.513	1.00	83.63	O
ATOM	2204	CG2	THR	A	323	62.537	66.262	34.456	1.00	83.58	C
ATOM	2205	C	THR	A	323	60.667	64.225	34.698	1.00	78.97	C
ATOM	2206	O	THR	A	323	60.258	65.302	35.149	1.00	78.99	O
ATOM	2207	N	HIS	A	324	59.935	63.324	34.063	1.00	76.73	N
ATOM	2208	CA	HIS	A	324	58.516	63.343	33.850	1.00	74.57	C
ATOM	2209	CB	HIS	A	324	58.111	64.429	32.872	1.00	75.23	C
ATOM	2210	CG	HIS	A	324	58.342	65.812	33.389	1.00	76.24	C
ATOM	2211	CD2	HIS	A	324	57.576	66.608	34.171	1.00	76.91	C
ATOM	2212	ND1	HIS	A	324	59.498	66.521	33.134	1.00	76.19	N
ATOM	2213	CE1	HIS	A	324	59.431	67.695	33.735	1.00	77.46	C
ATOM	2214	NE2	HIS	A	324	58.276	67.772	34.371	1.00	78.23	N
ATOM	2215	C	HIS	A	324	58.306	61.956	33.251	1.00	73.15	C
ATOM	2216	O	HIS	A	324	57.445	61.754	32.383	1.00	74.10	O
ATOM	2217	N	PRO	A	325	59.118	60.971	33.700	1.00	70.09	N
ATOM	2218	CD	PRO	A	325	60.108	60.914	34.796	1.00	68.30	C
ATOM	2219	CA	PRO	A	325	58.909	59.644	33.129	1.00	67.81	C
ATOM	2220	CB	PRO	A	325	60.003	58.801	33.794	1.00	67.18	C
ATOM	2221	CG	PRO	A	325	60.175	59.443	35.110	1.00	67.05	C
ATOM	2222	C	PRO	A	325	57.499	59.213	33.500	1.00	65.95	C
ATOM	2223	O	PRO	A	325	56.942	58.298	32.899	1.00	66.69	O
ATOM	2224	N	ASP	A	326	56.925	59.897	34.490	1.00	63.82	N

ATOM	2225	CA	ASP	A	326	55.573	59.607	34.936	1.00	62.94	C
ATOM	2226	CB	ASP	A	326	55.287	60.310	36.279	1.00	64.69	C
ATOM	2227	CG	ASP	A	326	55.534	61.820	36.239	1.00	66.83	C
ATOM	2228	OD1	ASP	A	326	54.651	62.560	35.745	1.00	66.44	O
ATOM	2229	OD2	ASP	A	326	56.611	62.265	36.712	1.00	66.26	O
ATOM	2230	C	ASP	A	326	54.604	60.049	33.845	1.00	61.69	C
ATOM	2231	O	ASP	A	326	53.644	59.347	33.521	1.00	61.11	O
ATOM	2232	N	VAL	A	327	54.884	61.200	33.245	1.00	60.12	N
ATOM	2233	CA	VAL	A	327	54.036	61.714	32.181	1.00	59.92	C
ATOM	2234	CB	VAL	A	327	54.492	63.116	31.737	1.00	58.72	C
ATOM	2235	CG1	VAL	A	327	53.554	63.645	30.681	1.00	59.00	C
ATOM	2236	CG2	VAL	A	327	54.522	64.055	32.918	1.00	59.80	C
ATOM	2237	C	VAL	A	327	54.076	60.777	30.970	1.00	60.33	C
ATOM	2238	O	VAL	A	327	53.051	60.539	30.315	1.00	58.95	O
ATOM	2239	N	GLN	A	328	55.273	60.262	30.681	1.00	60.36	N
ATOM	2240	CA	GLN	A	328	55.493	59.356	29.558	1.00	59.91	C
ATOM	2241	CB	GLN	A	328	56.990	59.020	29.436	1.00	59.42	C
ATOM	2242	CG	GLN	A	328	57.344	58.047	28.288	1.00	59.45	C
ATOM	2243	CD	GLN	A	328	58.861	57.789	28.127	1.00	60.80	C
ATOM	2244	OE1	GLN	A	328	59.280	56.953	27.313	1.00	59.37	O
ATOM	2245	NE2	GLN	A	328	59.679	58.507	28.899	1.00	61.40	N
ATOM	2246	C	GLN	A	328	54.684	58.078	29.751	1.00	60.97	C
ATOM	2247	O	GLN	A	328	54.156	57.504	28.788	1.00	59.56	O
ATOM	2248	N	GLN	A	329	54.581	57.642	31.006	1.00	61.85	N
ATOM	2249	CA	GLN	A	329	53.838	56.431	31.329	1.00	62.09	C
ATOM	2250	CB	GLN	A	329	54.020	56.066	32.808	1.00	63.71	C
ATOM	2251	CG	GLN	A	329	53.841	54.572	33.084	1.00	67.41	C
ATOM	2252	CD	GLN	A	329	53.767	54.227	34.568	1.00	69.87	C
ATOM	2253	OE1	GLN	A	329	54.619	54.643	35.369	1.00	69.63	O
ATOM	2254	NE2	GLN	A	329	52.745	53.452	34.938	1.00	70.33	N
ATOM	2255	C	GLN	A	329	52.359	56.657	31.018	1.00	61.14	C
ATOM	2256	O	GLN	A	329	51.715	55.846	30.350	1.00	60.70	O
ATOM	2257	N	LYS	A	330	51.828	57.777	31.492	1.00	59.11	N
ATOM	2258	CA	LYS	A	330	50.438	58.095	31.246	1.00	58.72	C
ATOM	2259	CB	LYS	A	330	50.106	59.447	31.879	1.00	58.82	C
ATOM	2260	CG	LYS	A	330	48.620	59.781	31.955	1.00	58.97	C
ATOM	2261	CD	LYS	A	330	48.395	60.917	32.937	1.00	59.75	C
ATOM	2262	CE	LYS	A	330	46.915	61.224	33.135	1.00	62.13	C
ATOM	2263	NZ	LYS	A	330	46.205	61.573	31.868	1.00	60.52	N
ATOM	2264	C	LYS	A	330	50.208	58.136	29.738	1.00	60.13	C
ATOM	2265	O	LYS	A	330	49.271	57.517	29.217	1.00	59.75	O
ATOM	2266	N	LEU	A	331	51.085	58.857	29.038	1.00	61.59	N
ATOM	2267	CA	LEU	A	331	50.984	59.002	27.591	1.00	61.45	C
ATOM	2268	CB	LEU	A	331	52.142	59.859	27.055	1.00	60.33	C
ATOM	2269	CG	LEU	A	331	51.970	60.731	25.791	1.00	58.12	C
ATOM	2270	CD1	LEU	A	331	53.081	60.408	24.838	1.00	56.63	C
ATOM	2271	CD2	LEU	A	331	50.635	60.502	25.109	1.00	58.89	C
ATOM	2272	C	LEU	A	331	51.017	57.626	26.943	1.00	62.59	C
ATOM	2273	O	LEU	A	331	50.189	57.307	26.078	1.00	61.45	O
ATOM	2274	N	GLN	A	332	51.971	56.806	27.371	1.00	64.43	N
ATOM	2275	CA	GLN	A	332	52.102	55.473	26.809	1.00	65.50	C
ATOM	2276	CB	GLN	A	332	53.297	54.751	27.438	1.00	66.15	C
ATOM	2277	CG	GLN	A	332	54.631	55.344	26.971	1.00	68.59	C
ATOM	2278	CD	GLN	A	332	55.868	54.643	27.533	1.00	71.13	C
ATOM	2279	OE1	GLN	A	332	56.173	54.725	28.733	1.00	71.66	O
ATOM	2280	NE2	GLN	A	332	56.595	53.956	26.657	1.00	72.13	N
ATOM	2281	C	GLN	A	332	50.809	54.687	26.967	1.00	65.86	C
ATOM	2282	O	GLN	A	332	50.322	54.097	26.003	1.00	66.77	O
ATOM	2283	N	GLU	A	333	50.227	54.709	28.161	1.00	66.01	N
ATOM	2284	CA	GLU	A	333	48.974	53.997	28.392	1.00	66.70	C
ATOM	2285	CB	GLU	A	333	48.565	54.120	29.851	1.00	65.69	C
ATOM	2286	CG	GLU	A	333	49.481	53.385	30.807	1.00	65.29	C
ATOM	2287	CD	GLU	A	333	49.513	54.031	32.171	1.00	65.18	C
ATOM	2288	OE1	GLU	A	333	48.616	54.854	32.461	1.00	66.24	O
ATOM	2289	OE2	GLU	A	333	50.430	53.718	32.956	1.00	65.39	O
ATOM	2290	C	GLU	A	333	47.853	54.534	27.507	1.00	68.11	C
ATOM	2291	O	GLU	A	333	47.081	53.758	26.933	1.00	69.22	O
ATOM	2292	N	GLU	A	334	47.769	55.860	27.399	1.00	68.27	N
ATOM	2293	CA	GLU	A	334	46.742	56.498	26.584	1.00	68.30	C
ATOM	2294	CB	GLU	A	334	46.870	58.018	26.666	1.00	69.97	C
ATOM	2295	CG	GLU	A	334	46.132	58.757	25.546	1.00	74.51	C
ATOM	2296	CD	GLU	A	334	45.305	59.938	26.049	1.00	77.84	C
ATOM	2297	OE1	GLU	A	334	45.500	60.352	27.216	1.00	80.29	O
ATOM	2298	OE2	GLU	A	334	44.463	60.456	25.279	1.00	77.48	O
ATOM	2299	C	GLU	A	334	46.815	56.062	25.129	1.00	67.90	C
ATOM	2300	O	GLU	A	334	45.797	55.979	24.436	1.00	67.11	O
ATOM	2301	N	ILE	A	335	48.029	55.783	24.669	1.00	68.08	N

ATOM	2302	CA	ILE	A	335	48.233	55.368	23.291	1.00	68.99	C
ATOM	2303	CB	ILE	A	335	49.709	55.516	22.877	1.00	68.85	C
ATOM	2304	CG2	ILE	A	335	49.953	54.785	21.570	1.00	67.50	C
ATOM	2305	CG1	ILE	A	335	50.062	57.005	22.760	1.00	69.71	C
ATOM	2306	CD1	ILE	A	335	51.492	57.283	22.327	1.00	69.54	C
ATOM	2307	C	ILE	A	335	47.817	53.928	23.116	1.00	69.26	C
ATOM	2308	O	ILE	A	335	47.332	53.526	22.053	1.00	69.62	O
ATOM	2309	N	ASP	A	336	48.005	53.151	24.172	1.00	69.11	N
ATOM	2310	CA	ASP	A	336	47.653	51.750	24.121	1.00	69.31	C
ATOM	2311	CB	ASP	A	336	48.437	50.975	25.181	1.00	69.54	C
ATOM	2312	CG	ASP	A	336	49.945	51.028	24.946	1.00	70.25	C
ATOM	2313	OD1	ASP	A	336	50.371	51.195	23.777	1.00	69.10	O
ATOM	2314	OD2	ASP	A	336	50.705	50.889	25.926	1.00	70.25	O
ATOM	2315	C	ASP	A	336	46.150	51.569	24.293	1.00	69.32	C
ATOM	2316	O	ASP	A	336	45.560	50.650	23.729	1.00	69.75	O
ATOM	2317	N	ALA	A	337	45.520	52.454	25.053	1.00	68.88	N
ATOM	2318	CA	ALA	A	337	44.088	52.343	25.243	1.00	69.67	C
ATOM	2319	CB	ALA	A	337	43.613	53.382	26.239	1.00	68.16	C
ATOM	2320	C	ALA	A	337	43.389	52.542	23.899	1.00	71.32	C
ATOM	2321	O	ALA	A	337	42.511	51.769	23.513	1.00	72.15	O
ATOM	2322	N	VAL	A	338	43.796	53.580	23.180	1.00	72.06	N
ATOM	2323	CA	VAL	A	338	43.193	53.893	21.896	1.00	71.74	C
ATOM	2324	CB	VAL	A	338	43.621	55.285	21.430	1.00	70.62	C
ATOM	2325	CG1	VAL	A	338	42.806	55.705	20.228	1.00	70.24	C
ATOM	2326	CG2	VAL	A	338	43.460	56.274	22.561	1.00	69.14	C
ATOM	2327	C	VAL	A	338	43.584	52.882	20.837	1.00	72.98	C
ATOM	2328	O	VAL	A	338	42.731	52.289	20.182	1.00	73.47	O
ATOM	2329	N	LEU	A	339	44.886	52.698	20.672	1.00	74.51	N
ATOM	2330	CA	LEU	A	339	45.420	51.767	19.688	1.00	75.75	C
ATOM	2331	CB	LEU	A	339	46.557	52.431	18.920	1.00	73.75	C
ATOM	2332	CG	LEU	A	339	46.254	53.684	18.108	1.00	71.72	C
ATOM	2333	CD1	LEU	A	339	47.497	54.542	18.027	1.00	70.79	C
ATOM	2334	CD2	LEU	A	339	45.771	53.294	16.730	1.00	71.36	C
ATOM	2335	C	LEU	A	339	45.969	50.554	20.422	1.00	78.10	C
ATOM	2336	O	LEU	A	339	46.905	50.691	21.211	1.00	78.46	O
ATOM	2337	N	PRO	A	340	45.393	49.358	20.176	1.00	79.80	N
ATOM	2338	CD	PRO	A	340	44.255	49.172	19.259	1.00	80.06	C
ATOM	2339	CA	PRO	A	340	45.783	48.076	20.779	1.00	80.90	C
ATOM	2340	CB	PRO	A	340	45.062	47.063	19.903	1.00	80.52	C
ATOM	2341	CG	PRO	A	340	43.795	47.769	19.593	1.00	80.40	C
ATOM	2342	C	PRO	A	340	47.300	47.876	20.756	1.00	83.04	C
ATOM	2343	O	PRO	A	340	48.059	48.843	20.746	1.00	84.90	O
ATOM	2344	N	ASN	A	341	47.760	46.633	20.730	1.00	83.79	N
ATOM	2345	CA	ASN	A	341	49.201	46.425	20.722	1.00	84.25	C
ATOM	2346	CB	ASN	A	341	49.547	44.963	21.010	1.00	87.01	C
ATOM	2347	CG	ASN	A	341	50.827	44.824	21.828	1.00	89.31	C
ATOM	2348	OD1	ASN	A	341	50.939	45.389	22.920	1.00	90.03	O
ATOM	2349	ND2	ASN	A	341	51.797	44.077	21.305	1.00	90.41	N
ATOM	2350	C	ASN	A	341	49.823	46.869	19.397	1.00	83.41	C
ATOM	2351	O	ASN	A	341	49.597	46.249	18.350	1.00	84.49	O
ATOM	2352	N	LYS	A	342	50.600	47.952	19.470	1.00	80.58	N
ATOM	2353	CA	LYS	A	342	51.286	48.549	18.322	1.00	77.06	C
ATOM	2354	CB	LYS	A	342	52.391	47.616	17.809	1.00	73.64	C
ATOM	2355	CG	LYS	A	342	53.269	46.965	18.873	1.00	70.43	C
ATOM	2356	CD	LYS	A	342	54.333	47.888	19.461	1.00	67.27	C
ATOM	2357	CE	LYS	A	342	55.412	47.065	20.183	1.00	63.73	C
ATOM	2358	NZ	LYS	A	342	56.291	47.845	21.093	1.00	59.47	N
ATOM	2359	C	LYS	A	342	50.324	48.865	17.167	1.00	76.77	C
ATOM	2360	O	LYS	A	342	50.691	48.752	16.002	1.00	77.24	O
ATOM	2361	N	ALA	A	343	49.098	49.262	17.475	1.00	76.05	N
ATOM	2362	CA	ALA	A	343	48.149	49.567	16.411	1.00	76.49	C
ATOM	2363	CB	ALA	A	343	46.751	49.776	16.997	1.00	77.16	C
ATOM	2364	C	ALA	A	343	48.582	50.797	15.611	1.00	76.41	C
ATOM	2365	O	ALA	A	343	49.073	51.779	16.174	1.00	76.02	O
ATOM	2366	N	PRO	A	344	48.393	50.757	14.279	1.00	76.34	N
ATOM	2367	CD	PRO	A	344	47.759	49.643	13.560	1.00	76.38	C
ATOM	2368	CA	PRO	A	344	48.743	51.832	13.342	1.00	75.94	C
ATOM	2369	CB	PRO	A	344	48.503	51.197	11.970	1.00	75.98	C
ATOM	2370	CG	PRO	A	344	48.453	49.712	12.245	1.00	76.39	C
ATOM	2371	C	PRO	A	344	47.848	53.051	13.552	1.00	75.21	C
ATOM	2372	O	PRO	A	344	46.624	52.937	13.553	1.00	75.16	O
ATOM	2373	N	PRO	A	345	48.447	54.236	13.721	1.00	74.01	N
ATOM	2374	CD	PRO	A	345	49.887	54.492	13.852	1.00	73.21	C
ATOM	2375	CA	PRO	A	345	47.689	55.470	13.931	1.00	73.60	C
ATOM	2376	CB	PRO	A	345	48.778	56.504	14.220	1.00	71.87	C
ATOM	2377	CG	PRO	A	345	49.898	55.702	14.745	1.00	72.03	C
ATOM	2378	C	PRO	A	345	46.864	55.858	12.712	1.00	73.77	C

ATOM	2379	O	PRO	A	345	47.271	55.615	11.580	1.00	73.80	O
ATOM	2380	N	THR	A	346	45.700	56.451	12.951	1.00	74.49	N
ATOM	2381	CA	THR	A	346	44.844	56.913	11.868	1.00	75.71	C
ATOM	2382	CB	THR	A	346	43.435	56.275	11.900	1.00	76.42	C
ATOM	2383	OG1	THR	A	346	43.554	54.857	12.043	1.00	77.11	O
ATOM	2384	CG2	THR	A	346	42.679	56.580	10.600	1.00	76.28	C
ATOM	2385	C	THR	A	346	44.683	58.407	12.088	1.00	75.98	C
ATOM	2386	O	THR	A	346	44.967	58.919	13.180	1.00	74.62	O
ATOM	2387	N	TYR	A	347	44.240	59.107	11.049	1.00	76.36	N
ATOM	2388	CA	TYR	A	347	44.037	60.536	11.164	1.00	75.88	C
ATOM	2389	CB	TYR	A	347	43.359	61.089	9.911	1.00	76.62	C
ATOM	2390	CG	TYR	A	347	42.736	62.441	10.140	1.00	77.96	C
ATOM	2391	CD1	TYR	A	347	41.461	62.557	10.673	1.00	78.51	C
ATOM	2392	CE1	TYR	A	347	40.917	63.792	10.957	1.00	80.67	C
ATOM	2393	CD2	TYR	A	347	43.448	63.604	9.887	1.00	79.53	C
ATOM	2394	CE2	TYR	A	347	42.913	64.848	10.165	1.00	80.20	C
ATOM	2395	CZ	TYR	A	347	41.646	64.938	10.705	1.00	80.88	C
ATOM	2396	OH	TYR	A	347	41.109	66.168	11.027	1.00	80.64	O
ATOM	2397	C	TYR	A	347	43.176	60.830	12.383	1.00	75.59	C
ATOM	2398	O	TYR	A	347	43.433	61.783	13.114	1.00	76.81	O
ATOM	2399	N	ASP	A	348	42.160	60.005	12.618	1.00	74.64	N
ATOM	2400	CA	ASP	A	348	41.276	60.253	13.746	1.00	72.66	C
ATOM	2401	CB	ASP	A	348	39.843	59.854	13.402	1.00	73.57	C
ATOM	2402	CG	ASP	A	348	38.845	60.410	14.392	1.00	76.24	C
ATOM	2403	OD1	ASP	A	348	38.478	59.689	15.352	1.00	76.99	O
ATOM	2404	OD2	ASP	A	348	38.447	61.586	14.217	1.00	77.98	O
ATOM	2405	C	ASP	A	348	41.693	59.598	15.046	1.00	70.14	O
ATOM	2406	O	ASP	A	348	41.200	59.958	16.107	1.00	69.67	C
ATOM	2407	N	THR	A	349	42.601	58.640	14.982	1.00	68.76	N
ATOM	2408	CA	THR	A	349	43.035	58.000	16.211	1.00	68.13	C
ATOM	2409	CB	THR	A	349	43.954	56.808	15.935	1.00	67.18	C
ATOM	2410	OG1	THR	A	349	43.492	56.102	14.780	1.00	66.85	O
ATOM	2411	CG2	THR	A	349	43.949	55.871	17.119	1.00	65.71	C
ATOM	2412	C	THR	A	349	43.828	59.032	17.005	1.00	68.43	C
ATOM	2413	O	THR	A	349	43.935	58.966	18.235	1.00	68.06	O
ATOM	2414	N	VAL	A	350	44.371	60.002	16.283	1.00	68.40	N
ATOM	2415	CA	VAL	A	350	45.178	61.042	16.893	1.00	68.67	C
ATOM	2416	CB	VAL	A	350	46.109	61.656	15.847	1.00	68.70	C
ATOM	2417	CG1	VAL	A	350	47.039	62.669	16.500	1.00	68.84	C
ATOM	2418	CG2	VAL	A	350	46.896	60.555	15.166	1.00	68.23	C
ATOM	2419	C	VAL	A	350	44.393	62.158	17.590	1.00	69.08	C
ATOM	2420	O	VAL	A	350	44.760	62.574	18.693	1.00	68.89	O
ATOM	2421	N	LEU	A	351	43.333	62.651	16.951	1.00	68.54	N
ATOM	2422	CA	LEU	A	351	42.518	63.707	17.544	1.00	68.43	C
ATOM	2423	CB	LEU	A	351	41.369	64.067	16.603	1.00	69.02	C
ATOM	2424	CG	LEU	A	351	41.908	64.526	15.250	1.00	69.80	C
ATOM	2425	CD1	LEU	A	351	40.898	65.424	14.528	1.00	69.43	C
ATOM	2426	CD2	LEU	A	351	43.203	65.278	15.505	1.00	69.09	C
ATOM	2427	C	LEU	A	351	41.972	63.264	18.906	1.00	68.48	C
ATOM	2428	O	LEU	A	351	41.852	64.064	19.843	1.00	66.82	O
ATOM	2429	N	GLN	A	352	41.652	61.980	19.009	1.00	68.75	N
ATOM	2430	CA	GLN	A	352	41.144	61.417	20.251	1.00	69.37	C
ATOM	2431	CB	GLN	A	352	40.309	60.172	19.950	1.00	69.79	C
ATOM	2432	CG	GLN	A	352	39.427	59.748	21.111	1.00	74.42	C
ATOM	2433	CD	GLN	A	352	39.711	58.339	21.605	1.00	76.38	C
ATOM	2434	OE1	GLN	A	352	39.795	57.397	20.813	1.00	76.80	O
ATOM	2435	NE2	GLN	A	352	39.841	58.185	22.926	1.00	77.71	N
ATOM	2436	C	GLN	A	352	42.322	61.042	21.162	1.00	68.50	C
ATOM	2437	O	GLN	A	352	42.624	59.859	21.327	1.00	69.74	O
ATOM	2438	N	MET	A	353	42.985	62.038	21.744	1.00	65.41	N
ATOM	2439	CA	MET	A	353	44.130	61.786	22.617	1.00	64.35	C
ATOM	2440	CB	MET	A	353	45.373	61.458	21.784	1.00	63.82	C
ATOM	2441	CG	MET	A	353	45.918	60.059	22.006	1.00	63.67	C
ATOM	2442	SD	MET	A	353	46.071	59.086	20.475	1.00	65.42	S
ATOM	2443	CE	MET	A	353	47.578	58.166	20.790	1.00	62.05	C
ATOM	2444	C	MET	A	353	44.400	63.011	23.476	1.00	64.30	C
ATOM	2445	O	MET	A	353	45.347	63.763	23.229	1.00	65.29	O
ATOM	2446	N	GLU	A	354	43.563	63.197	24.493	1.00	63.21	N
ATOM	2447	CA	GLU	A	354	43.660	64.340	25.396	1.00	60.99	C
ATOM	2448	CB	GLU	A	354	42.700	64.162	26.582	1.00	64.02	C
ATOM	2449	CG	GLU	A	354	42.122	65.474	27.141	1.00	66.98	C
ATOM	2450	CD	GLU	A	354	41.738	65.374	28.616	1.00	68.25	C
ATOM	2451	OE1	GLU	A	354	41.562	64.234	29.102	1.00	68.69	O
ATOM	2452	OE2	GLU	A	354	41.609	66.431	29.283	1.00	67.15	O
ATOM	2453	C	GLU	A	354	45.072	64.566	25.916	1.00	57.57	C
ATOM	2454	O	GLU	A	354	45.615	65.663	25.770	1.00	56.02	O
ATOM	2455	N	TYR	A	355	45.660	63.529	26.518	1.00	54.20	N

ATOM	2456	CA	TYR	A	355	47.008	63.638	27.072	1.00	51.79	C
ATOM	2457	CB	TYR	A	355	47.443	62.348	27.766	1.00	46.63	C
ATOM	2458	CG	TYR	A	355	48.366	62.636	28.924	1.00	41.89	C
ATOM	2459	CD1	TYR	A	355	49.534	61.919	29.123	1.00	41.23	C
ATOM	2460	CE1	TYR	A	355	50.376	62.215	30.197	1.00	41.74	C
ATOM	2461	CD2	TYR	A	355	48.060	63.648	29.816	1.00	39.80	C
ATOM	2462	CE2	TYR	A	355	48.878	63.951	30.877	1.00	39.15	C
ATOM	2463	CZ	TYR	A	355	50.034	63.245	31.074	1.00	39.81	C
ATOM	2464	OH	TYR	A	355	50.844	63.615	32.131	1.00	36.62	O
ATOM	2465	C	TYR	A	355	48.071	64.015	26.045	1.00	52.45	C
ATOM	2466	O	TYR	A	355	48.880	64.911	26.293	1.00	53.72	O
ATOM	2467	N	LEU	A	356	48.088	63.327	24.907	1.00	51.88	N
ATOM	2468	CA	LEU	A	356	49.059	63.639	23.870	1.00	52.62	C
ATOM	2469	CB	LEU	A	356	48.793	62.801	22.626	1.00	51.42	C
ATOM	2470	CG	LEU	A	356	49.758	63.092	21.484	1.00	48.92	C
ATOM	2471	CD1	LEU	A	356	51.186	62.920	21.983	1.00	49.44	C
ATOM	2472	CD2	LEU	A	356	49.474	62.158	20.326	1.00	48.85	C
ATOM	2473	C	LEU	A	356	48.981	65.120	23.500	1.00	54.05	C
ATOM	2474	O	LEU	A	356	49.994	65.782	23.292	1.00	54.83	O
ATOM	2475	N	ASP	A	357	47.768	65.642	23.427	1.00	54.59	N
ATOM	2476	CA	ASP	A	357	47.597	67.027	23.078	1.00	55.54	C
ATOM	2477	CB	ASP	A	357	46.129	67.286	22.757	1.00	57.57	C
ATOM	2478	CG	ASP	A	357	45.916	68.594	22.028	1.00	59.66	C
ATOM	2479	OD1	ASP	A	357	45.840	69.646	22.699	1.00	62.81	O
ATOM	2480	OD2	ASP	A	357	45.838	68.574	20.781	1.00	59.59	O
ATOM	2481	C	ASP	A	357	48.078	67.919	24.217	1.00	56.46	C
ATOM	2482	O	ASP	A	357	48.537	69.038	23.993	1.00	58.29	O
ATOM	2483	N	MET	A	358	47.989	67.422	25.445	1.00	56.75	N
ATOM	2484	CA	MET	A	358	48.413	68.206	26.606	1.00	56.27	C
ATOM	2485	CB	MET	A	358	47.878	67.580	27.902	1.00	58.45	C
ATOM	2486	CG	MET	A	358	46.389	67.820	28.177	1.00	59.93	C
ATOM	2487	SD	MET	A	358	45.820	66.961	29.662	1.00	60.48	S
ATOM	2488	CE	MET	A	358	45.067	65.520	28.946	1.00	57.43	C
ATOM	2489	C	MET	A	358	49.926	68.320	26.700	1.00	54.63	C
ATOM	2490	O	MET	A	358	50.462	69.386	27.023	1.00	53.23	O
ATOM	2491	N	VAL	A	359	50.599	67.207	26.425	1.00	52.98	N
ATOM	2492	CA	VAL	A	359	52.055	67.137	26.472	1.00	51.71	C
ATOM	2493	CB	VAL	A	359	52.538	65.702	26.289	1.00	51.16	C
ATOM	2494	CG1	VAL	A	359	54.017	65.697	26.023	1.00	50.79	C
ATOM	2495	CG2	VAL	A	359	52.215	64.880	27.540	1.00	51.03	C
ATOM	2496	C	VAL	A	359	52.667	67.993	25.383	1.00	51.24	C
ATOM	2497	O	VAL	A	359	53.632	68.719	25.608	1.00	51.39	O
ATOM	2498	N	VAL	A	360	52.095	67.904	24.193	1.00	50.43	N
ATOM	2499	CA	VAL	A	360	52.579	68.689	23.078	1.00	48.44	C
ATOM	2500	CB	VAL	A	360	51.796	68.383	21.790	1.00	46.47	C
ATOM	2501	CG1	VAL	A	360	52.005	69.507	20.798	1.00	46.34	C
ATOM	2502	CG2	VAL	A	360	52.247	67.059	21.203	1.00	43.56	C
ATOM	2503	C	VAL	A	360	52.452	70.180	23.366	1.00	48.48	C
ATOM	2504	O	VAL	A	360	53.429	70.920	23.242	1.00	49.95	O
ATOM	2505	N	ASN	A	361	51.259	70.608	23.772	1.00	47.19	N
ATOM	2506	CA	ASN	A	361	50.996	72.019	24.030	1.00	47.97	C
ATOM	2507	CB	ASN	A	361	49.513	72.233	24.293	1.00	49.32	C
ATOM	2508	CG	ASN	A	361	48.674	72.020	23.049	1.00	53.93	C
ATOM	2509	OD1	ASN	A	361	49.172	72.134	21.920	1.00	57.55	O
ATOM	2510	ND2	ASN	A	361	47.392	71.724	23.239	1.00	55.11	N
ATOM	2511	C	ASN	A	361	51.800	72.655	25.136	1.00	47.35	C
ATOM	2512	O	ASN	A	361	52.247	73.800	25.022	1.00	44.50	O
ATOM	2513	N	GLU	A	362	51.971	71.908	26.215	1.00	49.85	N
ATOM	2514	CA	GLU	A	362	52.724	72.382	27.369	1.00	50.16	C
ATOM	2515	CB	GLU	A	362	52.499	71.418	28.550	1.00	51.02	C
ATOM	2516	CG	GLU	A	362	53.414	71.596	29.767	1.00	53.76	C
ATOM	2517	CD	GLU	A	362	53.209	72.918	30.504	1.00	55.83	C
ATOM	2518	OE1	GLU	A	362	53.923	73.158	31.514	1.00	55.23	O
ATOM	2519	OE2	GLU	A	362	52.339	73.714	30.070	1.00	55.33	O
ATOM	2520	C	GLU	A	362	54.199	72.470	26.974	1.00	49.24	C
ATOM	2521	O	GLU	A	362	54.942	73.277	27.520	1.00	49.02	O
ATOM	2522	N	THR	A	363	54.622	71.643	26.020	1.00	49.04	N
ATOM	2523	CA	THR	A	363	56.001	71.697	25.572	1.00	48.86	C
ATOM	2524	CB	THR	A	363	56.371	70.502	24.706	1.00	48.47	C
ATOM	2525	OG1	THR	A	363	56.527	69.347	25.537	1.00	50.26	O
ATOM	2526	CG2	THR	A	363	57.677	70.762	23.988	1.00	48.33	C
ATOM	2527	C	THR	A	363	56.150	72.967	24.759	1.00	49.77	C
ATOM	2528	O	THR	A	363	57.095	73.733	24.943	1.00	51.19	O
ATOM	2529	N	LEU	A	364	55.199	73.207	23.865	1.00	49.15	N
ATOM	2530	CA	LEU	A	364	55.232	74.408	23.050	1.00	48.83	C
ATOM	2531	CB	LEU	A	364	54.104	74.396	22.027	1.00	49.50	C
ATOM	2532	CG	LEU	A	364	54.123	73.295	20.971	1.00	51.97	C

ATOM	2533	CD1	LEU	A	364	52.997	73.553	19.976	1.00	51.90	C
ATOM	2534	CD2	LEU	A	364	55.489	73.278	20.262	1.00	52.41	C
ATOM	2535	C	LEU	A	364	55.077	75.651	23.907	1.00	49.56	C
ATOM	2536	O	LEU	A	364	55.378	76.748	23.455	1.00	51.59	O
ATOM	2537	N	ARG	A	365	54.576	75.504	25.130	1.00	49.12	N
ATOM	2538	CA	ARG	A	365	54.411	76.680	25.980	1.00	47.66	C
ATOM	2539	CB	ARG	A	365	53.590	76.364	27.233	1.00	45.87	C
ATOM	2540	CG	ARG	A	365	53.299	77.601	28.106	1.00	41.58	C
ATOM	2541	CD	ARG	A	365	52.686	77.202	29.424	1.00	37.11	C
ATOM	2542	NE	ARG	A	365	53.590	76.363	30.202	1.00	38.13	N
ATOM	2543	CZ	ARG	A	365	54.404	76.811	31.160	1.00	40.81	C
ATOM	2544	NH1	ARG	A	365	54.431	78.107	31.477	1.00	38.20	N
ATOM	2545	NH2	ARG	A	365	55.208	75.962	31.799	1.00	39.79	N
ATOM	2546	C	ARG	A	365	55.788	77.140	26.401	1.00	47.96	C
ATOM	2547	O	ARG	A	365	56.191	78.272	26.136	1.00	49.46	O
ATOM	2548	N	LEU	A	366	56.502	76.251	27.068	1.00	47.15	N
ATOM	2549	CA	LEU	A	366	57.838	76.552	27.526	1.00	48.63	C
ATOM	2550	CB	LEU	A	366	58.440	75.335	28.243	1.00	49.78	C
ATOM	2551	CG	LEU	A	366	57.734	74.755	29.476	1.00	48.57	C
ATOM	2552	CD1	LEU	A	366	58.359	73.423	29.848	1.00	46.25	C
ATOM	2553	CD2	LEU	A	366	57.840	75.727	30.624	1.00	48.66	C
ATOM	2554	C	LEU	A	366	58.741	76.936	26.353	1.00	48.65	C
ATOM	2555	O	LEU	A	366	59.475	77.908	26.433	1.00	49.74	O
ATOM	2556	N	PHE	A	367	58.667	76.180	25.262	1.00	48.31	N
ATOM	2557	CA	PHE	A	367	59.523	76.411	24.094	1.00	46.38	C
ATOM	2558	CB	PHE	A	367	60.322	75.146	23.791	1.00	48.17	C
ATOM	2559	CG	PHE	A	367	61.117	74.651	24.948	1.00	52.20	C
ATOM	2560	CD1	PHE	A	367	61.189	73.296	25.224	1.00	53.73	C
ATOM	2561	CD2	PHE	A	367	61.800	75.535	25.759	1.00	52.17	C
ATOM	2562	CE1	PHE	A	367	61.928	72.834	26.286	1.00	53.81	C
ATOM	2563	CE2	PHE	A	367	62.540	75.078	26.818	1.00	53.56	C
ATOM	2564	CZ	PHE	A	367	62.605	73.725	27.082	1.00	53.85	C
ATOM	2565	C	PHE	A	367	58.856	76.864	22.798	1.00	43.90	C
ATOM	2566	O	PHE	A	367	58.714	76.097	21.852	1.00	42.06	O
ATOM	2567	N	PRO	A	368	58.436	78.116	22.738	1.00	42.12	N
ATOM	2568	CD	PRO	A	368	58.229	79.082	23.827	1.00	41.26	C
ATOM	2569	CA	PRO	A	368	57.809	78.557	21.494	1.00	42.32	C
ATOM	2570	CB	PRO	A	368	56.973	79.744	21.944	1.00	42.71	C
ATOM	2571	CG	PRO	A	368	57.784	80.312	23.080	1.00	42.45	C
ATOM	2572	C	PRO	A	368	58.911	78.937	20.494	1.00	43.68	C
ATOM	2573	O	PRO	A	368	59.444	80.052	20.535	1.00	44.00	O
ATOM	2574	N	ILE	A	369	59.249	77.997	19.613	1.00	43.48	N
ATOM	2575	CA	ILE	A	369	60.291	78.159	18.589	1.00	42.49	C
ATOM	2576	CB	ILE	A	369	60.051	77.189	17.415	1.00	43.36	C
ATOM	2577	CG2	ILE	A	369	61.034	77.462	16.285	1.00	45.63	C
ATOM	2578	CG1	ILE	A	369	60.238	75.769	17.918	1.00	43.35	C
ATOM	2579	CD1	ILE	A	369	61.263	75.708	19.034	1.00	45.04	C
ATOM	2580	C	ILE	A	369	60.534	79.556	18.011	1.00	41.09	C
ATOM	2581	O	ILE	A	369	61.682	80.001	17.933	1.00	38.97	O
ATOM	2582	N	ALA	A	370	59.462	80.223	17.584	1.00	39.82	N
ATOM	2583	CA	ALA	A	370	59.550	81.575	17.030	1.00	40.59	C
ATOM	2584	CB	ALA	A	370	58.394	81.820	16.065	1.00	37.17	C
ATOM	2585	C	ALA	A	370	59.504	82.598	18.169	1.00	41.91	C
ATOM	2586	O	ALA	A	370	58.652	83.472	18.182	1.00	44.16	O
ATOM	2587	N	MET	A	371	60.415	82.471	19.121	1.00	42.45	N
ATOM	2588	CA	MET	A	371	60.495	83.352	20.279	1.00	43.26	C
ATOM	2589	CB	MET	A	371	61.946	83.740	20.484	1.00	44.84	C
ATOM	2590	CG	MET	A	371	62.848	82.527	20.469	1.00	49.55	C
ATOM	2591	SD	MET	A	371	64.356	82.763	19.496	1.00	56.48	S
ATOM	2592	CE	MET	A	371	63.667	83.426	17.970	1.00	54.40	C
ATOM	2593	C	MET	A	371	59.615	84.603	20.276	1.00	42.90	C
ATOM	2594	O	MET	A	371	58.937	84.894	21.259	1.00	44.24	O
ATOM	2595	N	ARG	A	372	59.628	85.349	19.182	1.00	42.43	N
ATOM	2596	CA	ARG	A	372	58.827	86.560	19.081	1.00	41.07	C
ATOM	2597	CB	ARG	A	372	59.721	87.774	18.818	1.00	41.15	C
ATOM	2598	CG	ARG	A	372	60.859	87.972	19.801	1.00	42.45	C
ATOM	2599	CD	ARG	A	372	61.718	89.147	19.380	1.00	45.61	C
ATOM	2600	NE	ARG	A	372	62.722	89.511	20.380	1.00	49.29	N
ATOM	2601	CZ	ARG	A	372	63.500	90.589	20.287	1.00	51.35	C
ATOM	2602	NH1	ARG	A	372	64.393	90.867	21.228	1.00	49.71	N
ATOM	2603	NH2	ARG	A	372	63.383	91.392	19.237	1.00	53.81	N
ATOM	2604	C	ARG	A	372	57.822	86.454	17.944	1.00	41.37	C
ATOM	2605	O	ARG	A	372	57.863	85.547	17.129	1.00	41.92	O
ATOM	2606	N	LEU	A	373	56.932	87.422	17.876	1.00	42.25	N
ATOM	2607	CA	LEU	A	373	55.917	87.462	16.851	1.00	41.63	C
ATOM	2608	CB	LEU	A	373	54.599	87.027	17.458	1.00	42.99	C
ATOM	2609	CG	LEU	A	373	53.651	86.109	16.699	1.00	46.09	C

ATOM	2610	CD1	LEU	A	373	54.300	84.715	16.500	1.00	46.74	C
ATOM	2611	CD2	LEU	A	373	52.348	86.007	17.504	1.00	44.80	C
ATOM	2612	C	LEU	A	373	55.868	88.937	16.528	1.00	42.90	C
ATOM	2613	O	LEU	A	373	55.596	89.745	17.409	1.00	44.38	O
ATOM	2614	N	GLU	A	374	56.143	89.324	15.296	1.00	44.47	N
ATOM	2615	CA	GLU	A	374	56.097	90.743	15.019	1.00	47.56	C
ATOM	2616	CB	GLU	A	374	57.498	91.332	15.046	1.00	51.61	C
ATOM	2617	CG	GLU	A	374	58.200	91.275	13.721	1.00	60.48	C
ATOM	2618	CD	GLU	A	374	59.430	90.423	13.787	1.00	65.98	C
ATOM	2619	OE1	GLU	A	374	60.180	90.584	14.782	1.00	68.28	O
ATOM	2620	OE2	GLU	A	374	59.639	89.605	12.851	1.00	68.36	O
ATOM	2621	C	GLU	A	374	55.423	91.093	13.714	1.00	47.14	C
ATOM	2622	O	GLU	A	374	55.369	90.293	12.794	1.00	46.71	O
ATOM	2623	N	ARG	A	375	54.909	92.313	13.654	1.00	48.66	N
ATOM	2624	CA	ARG	A	375	54.212	92.808	12.481	1.00	50.61	C
ATOM	2625	CB	ARG	A	375	52.702	92.762	12.742	1.00	49.51	C
ATOM	2626	CG	ARG	A	375	51.827	92.399	11.530	1.00	54.07	C
ATOM	2627	CD	ARG	A	375	51.246	90.981	11.630	1.00	53.39	C
ATOM	2628	NE	ARG	A	375	52.311	89.986	11.682	1.00	55.71	N
ATOM	2629	CZ	ARG	A	375	52.166	88.751	12.145	1.00	56.03	C
ATOM	2630	NH1	ARG	A	375	53.196	87.923	12.150	1.00	55.92	N
ATOM	2631	NH2	ARG	A	375	50.998	88.347	12.613	1.00	55.79	N
ATOM	2632	C	ARG	A	375	54.687	94.247	12.272	1.00	52.03	C
ATOM	2633	O	ARG	A	375	55.147	94.903	13.213	1.00	52.66	O
ATOM	2634	N	VAL	A	376	54.600	94.739	11.046	1.00	53.73	N
ATOM	2635	CA	VAL	A	376	55.033	96.103	10.781	1.00	55.90	C
ATOM	2636	CB	VAL	A	376	55.876	96.192	9.501	1.00	53.71	C
ATOM	2637	CG1	VAL	A	376	55.499	97.426	8.725	1.00	50.59	C
ATOM	2638	CG2	VAL	A	376	57.344	96.232	9.863	1.00	51.01	C
ATOM	2639	C	VAL	A	376	53.858	97.057	10.653	1.00	58.89	C
ATOM	2640	O	VAL	A	376	52.858	96.745	9.992	1.00	59.07	O
ATOM	2641	N	CYS	A	377	53.996	98.221	11.293	1.00	61.49	N
ATOM	2642	CA	CYS	A	377	52.973	99.264	11.283	1.00	63.65	C
ATOM	2643	CB	CYS	A	377	53.181	100.198	12.466	1.00	62.78	C
ATOM	2644	SG	CYS	A	377	51.882	101.397	12.612	1.00	63.56	S
ATOM	2645	C	CYS	A	377	53.007	100.060	9.975	1.00	65.73	C
ATOM	2646	O	CYS	A	377	53.804	100.985	9.800	1.00	65.87	O
ATOM	2647	N	LYS	A	378	52.118	99.684	9.066	1.00	68.03	N
ATOM	2648	CA	LYS	A	378	52.021	100.283	7.744	1.00	71.12	C
ATOM	2649	CB	LYS	A	378	50.936	99.546	6.968	1.00	72.02	C
ATOM	2650	CG	LYS	A	378	51.075	99.602	5.479	1.00	75.25	C
ATOM	2651	CD	LYS	A	378	50.761	98.235	4.877	1.00	77.55	C
ATOM	2652	CE	LYS	A	378	49.441	97.679	5.400	1.00	77.79	C
ATOM	2653	NZ	LYS	A	378	48.945	96.567	4.535	1.00	78.60	N
ATOM	2654	C	LYS	A	378	51.742	101.783	7.710	1.00	73.11	C
ATOM	2655	O	LYS	A	378	52.267	102.497	6.848	1.00	72.98	O
ATOM	2656	N	LYS	A	379	50.916	102.249	8.649	1.00	75.56	N
ATOM	2657	CA	LYS	A	379	50.512	103.657	8.736	1.00	76.26	C
ATOM	2658	CB	LYS	A	379	49.158	103.842	8.054	1.00	78.12	C
ATOM	2659	CG	LYS	A	379	48.118	102.831	8.533	1.00	79.98	C
ATOM	2660	CD	LYS	A	379	46.691	103.272	8.237	1.00	83.06	C
ATOM	2661	CE	LYS	A	379	46.446	103.493	6.746	1.00	85.07	C
ATOM	2662	NZ	LYS	A	379	45.035	103.925	6.472	1.00	85.07	N
ATOM	2663	C	LYS	A	379	50.377	104.102	10.179	1.00	75.73	C
ATOM	2664	O	LYS	A	379	50.415	103.280	11.090	1.00	74.94	O
ATOM	2665	N	ASP	A	380	50.204	105.407	10.381	1.00	76.27	N
ATOM	2666	CA	ASP	A	380	50.039	105.953	11.727	1.00	76.99	C
ATOM	2667	CB	ASP	A	380	50.192	107.483	11.717	1.00	76.01	C
ATOM	2668	CG	ASP	A	380	51.512	107.953	12.338	1.00	75.67	C
ATOM	2669	OD1	ASP	A	380	52.441	108.349	11.598	1.00	72.60	O
ATOM	2670	OD2	ASP	A	380	51.618	107.921	13.580	1.00	75.78	O
ATOM	2671	C	ASP	A	380	48.654	105.552	12.231	1.00	76.92	C
ATOM	2672	O	ASP	A	380	47.657	105.752	11.542	1.00	75.53	O
ATOM	2673	N	VAL	A	381	48.603	104.974	13.428	1.00	78.62	N
ATOM	2674	CA	VAL	A	381	47.345	104.513	14.014	1.00	81.82	C
ATOM	2675	CB	VAL	A	381	46.952	103.156	13.400	1.00	81.74	C
ATOM	2676	CG1	VAL	A	381	46.400	102.237	14.465	1.00	81.48	C
ATOM	2677	CG2	VAL	A	381	45.925	103.373	12.291	1.00	82.58	C
ATOM	2678	C	VAL	A	381	47.425	104.392	15.543	1.00	84.15	C
ATOM	2679	O	VAL	A	381	48.498	104.135	16.088	1.00	85.59	O
ATOM	2680	N	GLU	A	382	46.300	104.570	16.239	1.00	86.19	N
ATOM	2681	CA	GLU	A	382	46.315	104.509	17.703	1.00	88.95	C
ATOM	2682	CB	GLU	A	382	45.383	105.571	18.298	1.00	91.37	C
ATOM	2683	CG	GLU	A	382	45.588	105.797	19.798	1.00	93.71	C
ATOM	2684	CD	GLU	A	382	44.799	106.981	20.328	1.00	95.20	C
ATOM	2685	OE1	GLU	A	382	44.933	107.290	21.535	1.00	95.57	O
ATOM	2686	OE2	GLU	A	382	44.047	107.600	19.539	1.00	95.01	O

ATOM	2687	C	GLU	A	382	46.004	103.147	18.321	1.00	89.52	C
ATOM	2688	O	GLU	A	382	46.865	102.569	18.980	1.00	90.79	O
ATOM	2689	N	ILE	A	383	44.784	102.643	18.152	1.00	89.18	N
ATOM	2690	CA	ILE	A	383	44.447	101.326	18.696	1.00	90.01	C
ATOM	2691	CB	ILE	A	383	45.416	100.270	18.126	1.00	89.76	C
ATOM	2692	CG2	ILE	A	383	45.524	99.081	19.048	1.00	91.30	C
ATOM	2693	CG1	ILE	A	383	44.941	99.837	16.750	1.00	90.40	C
ATOM	2694	CD1	ILE	A	383	45.903	98.926	16.056	1.00	91.62	C
ATOM	2695	C	ILE	A	383	44.432	101.208	20.231	1.00	90.87	C
ATOM	2696	O	ILE	A	383	45.482	101.275	20.888	1.00	91.45	O
ATOM	2697	N	ASN	A	384	43.236	101.008	20.791	1.00	90.57	N
ATOM	2698	CA	ASN	A	384	43.046	100.871	22.240	1.00	89.24	C
ATOM	2699	CB	ASN	A	384	43.577	99.524	22.730	1.00	89.28	C
ATOM	2700	CG	ASN	A	384	42.792	98.358	22.189	1.00	90.60	C
ATOM	2701	OD1	ASN	A	384	43.051	97.206	22.536	1.00	90.92	O
ATOM	2702	ND2	ASN	A	384	41.824	98.648	21.329	1.00	91.49	N
ATOM	2703	C	ASN	A	384	43.746	101.965	23.024	1.00	88.32	C
ATOM	2704	O	ASN	A	384	44.198	101.726	24.141	1.00	88.50	O
ATOM	2705	N	GLY	A	385	43.827	103.162	22.457	1.00	87.09	N
ATOM	2706	CA	GLY	A	385	44.519	104.232	23.144	1.00	86.63	C
ATOM	2707	C	GLY	A	385	45.968	103.806	23.315	1.00	86.77	C
ATOM	2708	O	GLY	A	385	46.292	103.026	24.217	1.00	86.88	O
ATOM	2709	N	MET	A	386	46.842	104.307	22.444	1.00	85.72	N
ATOM	2710	CA	MET	A	386	48.261	103.956	22.490	1.00	83.55	C
ATOM	2711	CB	MET	A	386	48.433	102.462	22.172	1.00	83.19	C
ATOM	2712	CG	MET	A	386	49.869	102.009	21.888	1.00	84.53	C
ATOM	2713	SD	MET	A	386	50.978	101.841	23.323	1.00	84.48	S
ATOM	2714	CE	MET	A	386	51.653	103.490	23.407	1.00	85.10	C
ATOM	2715	C	MET	A	386	49.043	104.793	21.481	1.00	82.03	C
ATOM	2716	O	MET	A	386	50.039	105.445	21.823	1.00	83.08	O
ATOM	2717	N	PHE	A	387	48.564	104.775	20.240	1.00	79.43	N
ATOM	2718	CA	PHE	A	387	49.183	105.486	19.122	1.00	75.72	C
ATOM	2719	CB	PHE	A	387	49.223	106.999	19.342	1.00	73.93	C
ATOM	2720	CG	PHE	A	387	50.037	107.726	18.302	1.00	71.75	C
ATOM	2721	CD1	PHE	A	387	51.350	108.117	18.562	1.00	71.07	C
ATOM	2722	CD2	PHE	A	387	49.515	107.948	17.038	1.00	69.86	C
ATOM	2723	CE1	PHE	A	387	52.125	108.713	17.573	1.00	70.13	C
ATOM	2724	CE2	PHE	A	387	50.276	108.536	16.054	1.00	69.08	C
ATOM	2725	CZ	PHE	A	387	51.586	108.921	16.318	1.00	69.97	C
ATOM	2726	C	PHE	A	387	50.597	105.024	18.808	1.00	74.33	C
ATOM	2727	O	PHE	A	387	51.555	105.312	19.549	1.00	75.09	O
ATOM	2728	N	ILE	A	388	50.713	104.305	17.698	1.00	70.36	N
ATOM	2729	CA	ILE	A	388	51.987	103.816	17.221	1.00	67.06	C
ATOM	2730	CB	ILE	A	388	51.960	102.291	17.045	1.00	67.89	C
ATOM	2731	CG2	ILE	A	388	53.324	101.795	16.599	1.00	70.80	C
ATOM	2732	CG1	ILE	A	388	51.570	101.617	18.361	1.00	67.84	C
ATOM	2733	CD1	ILE	A	388	50.091	101.369	18.504	1.00	67.15	C
ATOM	2734	C	ILE	A	388	52.175	104.499	15.867	1.00	64.54	C
ATOM	2735	O	ILE	A	388	51.227	104.625	15.092	1.00	63.26	O
ATOM	2736	N	PRO	A	389	53.393	104.971	15.571	1.00	62.70	N
ATOM	2737	CD	PRO	A	389	54.554	105.204	16.448	1.00	61.40	C
ATOM	2738	CA	PRO	A	389	53.577	105.630	14.277	1.00	62.56	C
ATOM	2739	CB	PRO	A	389	54.637	106.680	14.589	1.00	60.66	C
ATOM	2740	CG	PRO	A	389	55.521	105.950	15.535	1.00	60.84	C
ATOM	2741	C	PRO	A	389	53.998	104.699	13.137	1.00	62.71	C
ATOM	2742	O	PRO	A	389	54.394	103.556	13.358	1.00	62.39	O
ATOM	2743	N	LYS	A	390	53.903	105.212	11.918	1.00	62.60	N
ATOM	2744	CA	LYS	A	390	54.282	104.473	10.730	1.00	62.08	C
ATOM	2745	CB	LYS	A	390	54.154	105.369	9.505	1.00	62.82	C
ATOM	2746	CG	LYS	A	390	54.545	104.714	8.206	1.00	63.61	C
ATOM	2747	CD	LYS	A	390	53.944	105.488	7.058	1.00	65.62	C
ATOM	2748	CE	LYS	A	390	54.194	104.805	5.724	1.00	69.00	C
ATOM	2749	NZ	LYS	A	390	55.225	105.538	4.923	1.00	69.85	N
ATOM	2750	C	LYS	A	390	55.714	103.977	10.831	1.00	62.17	C
ATOM	2751	O	LYS	A	390	56.575	104.639	11.414	1.00	61.58	O
ATOM	2752	N	GLY	A	391	55.953	102.796	10.265	1.00	61.91	N
ATOM	2753	CA	GLY	A	391	57.284	102.221	10.260	1.00	60.72	C
ATOM	2754	C	GLY	A	391	57.785	101.589	11.538	1.00	59.73	C
ATOM	2755	O	GLY	A	391	58.921	101.131	11.584	1.00	61.11	O
ATOM	2756	N	VAL	A	392	56.967	101.552	12.578	1.00	58.18	N
ATOM	2757	CA	VAL	A	392	57.410	100.948	13.823	1.00	57.34	C
ATOM	2758	CB	VAL	A	392	56.720	101.607	15.034	1.00	57.76	C
ATOM	2759	CG1	VAL	A	392	57.136	100.914	16.326	1.00	57.84	C
ATOM	2760	CG2	VAL	A	392	57.090	103.070	15.091	1.00	56.99	C
ATOM	2761	C	VAL	A	392	57.108	99.454	13.808	1.00	56.97	C
ATOM	2762	O	VAL	A	392	56.036	99.034	13.374	1.00	58.58	O
ATOM	2763	N	VAL	A	393	58.062	98.651	14.262	1.00	55.91	N

ATOM	2764	CA	VAL	A	393	57.881	97.204	14.300	1.00	55.56	C
ATOM	2765	CB	VAL	A	393	59.241	96.461	14.143	1.00	55.56	C
ATOM	2766	CG1	VAL	A	393	59.126	95.026	14.628	1.00	54.31	C
ATOM	2767	CG2	VAL	A	393	59.665	96.475	12.687	1.00	54.58	C
ATOM	2768	C	VAL	A	393	57.226	96.808	15.617	1.00	55.73	C
ATOM	2769	O	VAL	A	393	57.784	97.034	16.701	1.00	55.41	O
ATOM	2770	N	VAL	A	394	56.037	96.218	15.519	1.00	54.55	N
ATOM	2771	CA	VAL	A	394	55.295	95.808	16.706	1.00	53.66	C
ATOM	2772	CB	VAL	A	394	53.763	95.949	16.458	1.00	53.53	C
ATOM	2773	CG1	VAL	A	394	52.977	95.630	17.730	1.00	54.16	C
ATOM	2774	CG2	VAL	A	394	53.452	97.364	16.009	1.00	52.87	C
ATOM	2775	C	VAL	A	394	55.649	94.373	17.101	1.00	52.26	C
ATOM	2776	O	VAL	A	394	55.309	93.426	16.394	1.00	52.78	O
ATOM	2777	N	MET	A	395	56.328	94.222	18.235	1.00	49.93	N
ATOM	2778	CA	MET	A	395	56.747	92.905	18.713	1.00	48.51	C
ATOM	2779	CB	MET	A	395	58.199	92.986	19.172	1.00	47.79	C
ATOM	2780	CG	MET	A	395	58.871	91.652	19.387	1.00	46.71	C
ATOM	2781	SD	MET	A	395	58.992	91.211	21.110	1.00	46.77	S
ATOM	2782	CE	MET	A	395	60.452	92.110	21.644	1.00	44.60	C
ATOM	2783	C	MET	A	395	55.872	92.336	19.843	1.00	48.14	C
ATOM	2784	O	MET	A	395	55.356	93.080	20.677	1.00	49.73	O
ATOM	2785	N	ILE	A	396	55.727	91.014	19.875	1.00	45.02	N
ATOM	2786	CA	ILE	A	396	54.906	90.335	20.874	1.00	41.08	C
ATOM	2787	CB	ILE	A	396	53.706	89.732	20.199	1.00	38.68	C
ATOM	2788	CG2	ILE	A	396	52.839	89.061	21.194	1.00	39.67	C
ATOM	2789	CG1	ILE	A	396	52.957	90.816	19.447	1.00	39.53	C
ATOM	2790	CD1	ILE	A	396	51.826	90.280	18.606	1.00	40.69	C
ATOM	2791	C	ILE	A	396	55.737	89.215	21.489	1.00	41.44	C
ATOM	2792	O	ILE	A	396	55.891	88.155	20.892	1.00	42.73	O
ATOM	2793	N	PRO	A	397	56.272	89.431	22.701	1.00	40.86	N
ATOM	2794	CD	PRO	A	397	56.026	90.639	23.503	1.00	39.62	C
ATOM	2795	CA	PRO	A	397	57.116	88.482	23.444	1.00	41.03	C
ATOM	2796	CB	PRO	A	397	57.365	89.196	24.766	1.00	39.62	C
ATOM	2797	CG	PRO	A	397	57.208	90.652	24.414	1.00	38.44	C
ATOM	2798	C	PRO	A	397	56.502	87.126	23.677	1.00	42.19	C
ATOM	2799	O	PRO	A	397	56.116	86.826	24.795	1.00	44.15	O
ATOM	2800	N	SER	A	398	56.431	86.287	22.654	1.00	42.01	N
ATOM	2801	CA	SER	A	398	55.814	84.994	22.862	1.00	41.94	C
ATOM	2802	CB	SER	A	398	55.787	84.181	21.561	1.00	42.84	C
ATOM	2803	OG	SER	A	398	54.735	84.617	20.704	1.00	43.01	O
ATOM	2804	C	SER	A	398	56.455	84.194	23.983	1.00	41.79	C
ATOM	2805	O	SER	A	398	55.755	83.692	24.849	1.00	42.44	O
ATOM	2806	N	TYR	A	399	57.774	84.087	24.003	1.00	41.56	N
ATOM	2807	CA	TYR	A	399	58.408	83.299	25.057	1.00	42.36	C
ATOM	2808	CB	TYR	A	399	59.903	83.138	24.766	1.00	38.72	C
ATOM	2809	CG	TYR	A	399	60.714	82.456	25.845	1.00	35.18	C
ATOM	2810	CD1	TYR	A	399	61.119	83.149	26.983	1.00	34.04	C
ATOM	2811	CE1	TYR	A	399	61.955	82.549	27.931	1.00	34.52	C
ATOM	2812	CD2	TYR	A	399	61.152	81.139	25.686	1.00	32.78	C
ATOM	2813	CE2	TYR	A	399	61.982	80.526	26.630	1.00	31.00	C
ATOM	2814	CZ	TYR	A	399	62.386	81.235	27.748	1.00	34.56	C
ATOM	2815	OH	TYR	A	399	63.243	80.659	28.682	1.00	35.74	O
ATOM	2816	C	TYR	A	399	58.184	83.879	26.449	1.00	43.31	C
ATOM	2817	O	TYR	A	399	57.785	83.158	27.357	1.00	45.03	O
ATOM	2818	N	ALA	A	400	58.428	85.174	26.614	1.00	44.85	N
ATOM	2819	CA	ALA	A	400	58.241	85.835	27.909	1.00	46.47	C
ATOM	2820	CB	ALA	A	400	58.650	87.308	27.809	1.00	46.04	C
ATOM	2821	C	ALA	A	400	56.801	85.722	28.446	1.00	47.76	C
ATOM	2822	O	ALA	A	400	56.593	85.479	29.639	1.00	46.91	O
ATOM	2823	N	LEU	A	401	55.813	85.917	27.571	1.00	48.47	N
ATOM	2824	CA	LEU	A	401	54.414	85.811	27.967	1.00	48.18	C
ATOM	2825	CB	LEU	A	401	53.488	86.153	26.788	1.00	46.45	C
ATOM	2826	CG	LEU	A	401	53.416	87.622	26.331	1.00	46.86	C
ATOM	2827	CD1	LEU	A	401	52.738	87.747	24.970	1.00	45.06	C
ATOM	2828	CD2	LEU	A	401	52.651	88.435	27.359	1.00	47.84	C
ATOM	2829	C	LEU	A	401	54.160	84.382	28.452	1.00	49.32	C
ATOM	2830	O	LEU	A	401	53.598	84.183	29.523	1.00	51.40	O
ATOM	2831	N	HIS	A	402	54.604	83.395	27.684	1.00	49.24	N
ATOM	2832	CA	HIS	A	402	54.429	81.988	28.047	1.00	50.18	C
ATOM	2833	CB	HIS	A	402	54.989	81.059	26.951	1.00	49.15	C
ATOM	2834	CG	HIS	A	402	54.244	81.105	25.649	1.00	45.71	C
ATOM	2835	CD2	HIS	A	402	53.392	82.023	25.134	1.00	43.38	C
ATOM	2836	ND1	HIS	A	402	54.350	80.107	24.703	1.00	43.87	N
ATOM	2837	CE1	HIS	A	402	53.591	80.408	23.663	1.00	42.23	C
ATOM	2838	NE2	HIS	A	402	53.000	81.565	23.899	1.00	40.12	N
ATOM	2839	C	HIS	A	402	55.110	81.598	29.366	1.00	51.95	C
ATOM	2840	O	HIS	A	402	55.044	80.440	29.777	1.00	51.77	O

ATOM	2841	N	ARG	A	403	55.773	82.538	30.025	1.00	54.94	N
ATOM	2842	CA	ARG	A	403	56.467	82.217	31.274	1.00	58.55	C
ATOM	2843	CB	ARG	A	403	57.935	81.919	30.976	1.00	58.35	C
ATOM	2844	CG	ARG	A	403	58.163	80.612	30.229	1.00	58.47	C
ATOM	2845	CD	ARG	A	403	59.443	80.664	29.426	1.00	57.00	C
ATOM	2846	NE	ARG	A	403	59.888	79.336	29.029	1.00	56.41	N
ATOM	2847	CZ	ARG	A	403	60.467	78.475	29.859	1.00	58.89	C
ATOM	2848	NH1	ARG	A	403	60.670	78.809	31.130	1.00	59.02	N
ATOM	2849	NH2	ARG	A	403	60.846	77.282	29.422	1.00	59.80	N
ATOM	2850	C	ARG	A	403	56.370	83.326	32.312	1.00	61.10	C
ATOM	2851	O	ARG	A	403	57.267	83.508	33.132	1.00	60.77	O
ATOM	2852	N	ASP	A	404	55.261	84.050	32.269	1.00	64.40	N
ATOM	2853	CA	ASP	A	404	55.008	85.158	33.172	1.00	67.53	C
ATOM	2854	CB	ASP	A	404	54.475	86.330	32.347	1.00	67.40	C
ATOM	2855	CG	ASP	A	404	53.752	87.363	33.184	1.00	68.83	C
ATOM	2856	OD1	ASP	A	404	54.196	87.630	34.323	1.00	69.32	O
ATOM	2857	OD2	ASP	A	404	52.743	87.920	32.687	1.00	68.89	O
ATOM	2858	C	ASP	A	404	54.026	84.779	34.280	1.00	70.96	C
ATOM	2859	O	ASP	A	404	52.901	84.355	34.014	1.00	72.09	O
ATOM	2860	N	PRO	A	405	54.445	84.926	35.544	1.00	73.28	N
ATOM	2861	CD	PRO	A	405	55.798	85.338	35.956	1.00	74.50	C
ATOM	2862	CA	PRO	A	405	53.617	84.608	36.711	1.00	75.11	C
ATOM	2863	CB	PRO	A	405	54.361	85.294	37.844	1.00	74.74	C
ATOM	2864	CG	PRO	A	405	55.795	85.037	37.454	1.00	75.75	C
ATOM	2865	C	PRO	A	405	52.163	85.059	36.609	1.00	76.63	C
ATOM	2866	O	PRO	A	405	51.267	84.386	37.121	1.00	77.54	O
ATOM	2867	N	LYS	A	406	51.926	86.183	35.942	1.00	78.16	N
ATOM	2868	CA	LYS	A	406	50.572	86.712	35.798	1.00	80.94	C
ATOM	2869	CB	LYS	A	406	50.584	87.943	34.881	1.00	82.28	C
ATOM	2870	CG	LYS	A	406	49.280	88.744	34.856	1.00	83.95	C
ATOM	2871	CD	LYS	A	406	49.529	90.218	35.186	1.00	86.00	C
ATOM	2872	CE	LYS	A	406	48.263	91.075	35.035	1.00	86.68	C
ATOM	2873	NZ	LYS	A	406	47.809	91.204	33.615	1.00	86.25	N
ATOM	2874	C	LYS	A	406	49.548	85.680	35.295	1.00	82.05	C
ATOM	2875	O	LYS	A	406	48.458	85.563	35.871	1.00	82.81	O
ATOM	2876	N	TYR	A	407	49.877	84.935	34.239	1.00	81.95	N
ATOM	2877	CA	TYR	A	407	48.936	83.936	33.724	1.00	82.45	C
ATOM	2878	CB	TYR	A	407	48.751	84.070	32.216	1.00	84.32	C
ATOM	2879	CG	TYR	A	407	48.215	85.395	31.750	1.00	88.52	C
ATOM	2880	CD1	TYR	A	407	49.079	86.424	31.386	1.00	90.44	C
ATOM	2881	CE1	TYR	A	407	48.597	87.636	30.908	1.00	90.96	C
ATOM	2882	CD2	TYR	A	407	46.845	85.613	31.632	1.00	89.28	C
ATOM	2883	CE2	TYR	A	407	46.352	86.823	31.157	1.00	90.90	C
ATOM	2884	CZ	TYR	A	407	47.234	87.828	30.794	1.00	91.43	C
ATOM	2885	OH	TYR	A	407	46.757	89.020	30.299	1.00	92.69	O
ATOM	2886	C	TYR	A	407	49.322	82.489	34.003	1.00	81.77	C
ATOM	2887	O	TYR	A	407	48.538	81.572	33.737	1.00	80.90	O
ATOM	2888	N	TRP	A	408	50.523	82.274	34.526	1.00	81.35	N
ATOM	2889	CA	TRP	A	408	50.984	80.917	34.787	1.00	81.25	C
ATOM	2890	CB	TRP	A	408	52.015	80.509	33.727	1.00	78.47	C
ATOM	2891	CG	TRP	A	408	51.618	80.927	32.331	1.00	75.22	C
ATOM	2892	CD2	TRP	A	408	50.882	80.152	31.381	1.00	73.82	C
ATOM	2893	CE2	TRP	A	408	50.697	80.956	30.236	1.00	73.48	C
ATOM	2894	CE3	TRP	A	408	50.361	78.854	31.387	1.00	73.22	C
ATOM	2895	CD1	TRP	A	408	51.843	82.141	31.737	1.00	74.20	C
ATOM	2896	NE1	TRP	A	408	51.292	82.165	30.480	1.00	72.34	N
ATOM	2897	CZ2	TRP	A	408	50.016	80.502	29.109	1.00	73.72	C
ATOM	2898	CZ3	TRP	A	408	49.686	78.407	30.271	1.00	73.12	C
ATOM	2899	CH2	TRP	A	408	49.520	79.227	29.146	1.00	73.88	C
ATOM	2900	C	TRP	A	408	51.581	80.766	36.176	1.00	82.93	C
ATOM	2901	O	TRP	A	408	52.413	81.567	36.605	1.00	82.90	O
ATOM	2902	N	THR	A	409	51.145	79.729	36.878	1.00	84.47	N
ATOM	2903	CA	THR	A	409	51.632	79.475	38.225	1.00	86.09	C
ATOM	2904	CB	THR	A	409	50.511	78.888	39.104	1.00	87.06	C
ATOM	2905	OG1	THR	A	409	50.271	77.527	38.724	1.00	87.79	O
ATOM	2906	CG2	THR	A	409	49.208	79.703	38.924	1.00	87.16	C
ATOM	2907	C	THR	A	409	52.782	78.486	38.111	1.00	86.26	C
ATOM	2908	O	THR	A	409	52.648	77.457	37.455	1.00	86.44	O
ATOM	2909	N	GLU	A	410	53.909	78.791	38.742	1.00	86.98	N
ATOM	2910	CA	GLU	A	410	55.061	77.904	38.638	1.00	87.40	C
ATOM	2911	CB	GLU	A	410	54.817	76.627	39.431	1.00	89.36	C
ATOM	2912	CG	GLU	A	410	55.058	76.786	40.917	1.00	92.64	C
ATOM	2913	CD	GLU	A	410	56.047	75.765	41.438	1.00	94.42	C
ATOM	2914	OE1	GLU	A	410	55.661	74.581	41.571	1.00	95.45	O
ATOM	2915	OE2	GLU	A	410	57.212	76.146	41.694	1.00	94.78	O
ATOM	2916	C	GLU	A	410	55.228	77.575	37.161	1.00	86.21	C
ATOM	2917	O	GLU	A	410	55.168	76.411	36.761	1.00	85.25	O

ATOM	2918	N	PRO	A	411	55.443	78.614	36.333	1.00	85.53	N
ATOM	2919	CD	PRO	A	411	55.613	79.983	36.845	1.00	85.19	C
ATOM	2920	CA	PRO	A	411	55.626	78.596	34.877	1.00	84.18	C
ATOM	2921	CB	PRO	A	411	55.684	80.081	34.513	1.00	84.63	C
ATOM	2922	CG	PRO	A	411	55.084	80.785	35.707	1.00	85.11	C
ATOM	2923	C	PRO	A	411	56.852	77.845	34.365	1.00	82.74	C
ATOM	2924	O	PRO	A	411	56.901	77.465	33.200	1.00	82.74	O
ATOM	2925	N	GLU	A	412	57.839	77.642	35.227	1.00	80.81	N
ATOM	2926	CA	GLU	A	412	59.049	76.943	34.828	1.00	79.52	C
ATOM	2927	CB	GLU	A	412	60.188	77.282	35.797	1.00	82.25	C
ATOM	2928	CG	GLU	A	412	59.913	78.489	36.703	1.00	85.77	C
ATOM	2929	CD	GLU	A	412	59.294	78.107	38.050	1.00	87.49	C
ATOM	2930	OE1	GLU	A	412	58.348	78.801	38.496	1.00	87.57	O
ATOM	2931	OE2	GLU	A	412	59.762	77.122	38.668	1.00	89.23	O
ATOM	2932	C	GLU	A	412	58.812	75.439	34.821	1.00	77.63	C
ATOM	2933	O	GLU	A	412	59.597	74.673	34.253	1.00	76.61	O
ATOM	2934	N	LYS	A	413	57.713	75.031	35.449	1.00	76.27	N
ATOM	2935	CA	LYS	A	413	57.339	73.619	35.579	1.00	75.22	C
ATOM	2936	CB	LYS	A	413	56.425	73.443	36.797	1.00	76.98	C
ATOM	2937	CG	LYS	A	413	57.025	73.871	38.134	1.00	79.14	C
ATOM	2938	CD	LYS	A	413	57.888	72.768	38.732	1.00	80.04	C
ATOM	2939	CE	LYS	A	413	57.636	72.624	40.235	1.00	80.03	C
ATOM	2940	NZ	LYS	A	413	58.352	71.448	40.818	1.00	78.99	N
ATOM	2941	C	LYS	A	413	56.641	72.992	34.369	1.00	73.00	C
ATOM	2942	O	LYS	A	413	55.739	73.587	33.769	1.00	72.26	O
ATOM	2943	N	PHE	A	414	57.057	71.781	34.017	1.00	69.88	N
ATOM	2944	CA	PHE	A	414	56.416	71.089	32.915	1.00	66.96	C
ATOM	2945	CB	PHE	A	414	57.390	70.157	32.188	1.00	65.33	C
ATOM	2946	CG	PHE	A	414	56.726	69.296	31.143	1.00	64.44	C
ATOM	2947	CD1	PHE	A	414	56.205	69.859	29.988	1.00	64.63	C
ATOM	2948	CD2	PHE	A	414	56.562	67.936	31.346	1.00	63.37	C
ATOM	2949	CE1	PHE	A	414	55.527	69.076	29.059	1.00	64.39	C
ATOM	2950	CE2	PHE	A	414	55.887	67.147	30.422	1.00	62.30	C
ATOM	2951	CZ	PHE	A	414	55.368	67.717	29.280	1.00	63.31	C
ATOM	2952	C	PHE	A	414	55.270	70.265	33.494	1.00	65.58	C
ATOM	2953	O	PHE	A	414	55.481	69.165	34.003	1.00	64.94	O
ATOM	2954	N	LEU	A	415	54.060	70.808	33.440	1.00	63.82	N
ATOM	2955	CA	LEU	A	415	52.899	70.094	33.944	1.00	62.06	C
ATOM	2956	CB	LEU	A	415	52.560	70.542	35.376	1.00	63.36	C
ATOM	2957	CG	LEU	A	415	52.624	72.003	35.820	1.00	65.03	C
ATOM	2958	CD1	LEU	A	415	51.207	72.554	35.996	1.00	66.26	C
ATOM	2959	CD2	LEU	A	415	53.394	72.087	37.141	1.00	63.11	C
ATOM	2960	C	LEU	A	415	51.702	70.235	33.010	1.00	59.31	C
ATOM	2961	O	LEU	A	415	50.958	71.213	33.055	1.00	57.99	O
ATOM	2962	N	PRO	A	416	51.523	69.231	32.142	1.00	56.80	N
ATOM	2963	CD	PRO	A	416	52.381	68.043	32.235	1.00	55.03	C
ATOM	2964	CA	PRO	A	416	50.505	69.027	31.114	1.00	57.76	C
ATOM	2965	CB	PRO	A	416	50.641	67.549	30.801	1.00	55.93	C
ATOM	2966	CG	PRO	A	416	52.066	67.328	30.969	1.00	54.71	C
ATOM	2967	C	PRO	A	416	49.085	69.387	31.523	1.00	59.50	C
ATOM	2968	O	PRO	A	416	48.345	70.001	30.743	1.00	60.52	O
ATOM	2969	N	GLU	A	417	48.705	68.993	32.738	1.00	60.71	N
ATOM	2970	CA	GLU	A	417	47.362	69.265	33.247	1.00	60.33	C
ATOM	2971	CB	GLU	A	417	47.294	69.038	34.764	1.00	60.86	C
ATOM	2972	CG	GLU	A	417	47.261	67.570	35.178	1.00	62.60	C
ATOM	2973	CD	GLU	A	417	46.198	66.746	34.427	1.00	64.30	C
ATOM	2974	OE1	GLU	A	417	45.072	67.248	34.178	1.00	62.85	O
ATOM	2975	OE2	GLU	A	417	46.494	65.573	34.099	1.00	66.95	O
ATOM	2976	C	GLU	A	417	46.836	70.658	32.910	1.00	59.16	C
ATOM	2977	O	GLU	A	417	45.622	70.855	32.862	1.00	60.54	O
ATOM	2978	N	ARG	A	418	47.731	71.618	32.667	1.00	56.79	N
ATOM	2979	CA	ARG	A	418	47.298	72.965	32.323	1.00	55.21	C
ATOM	2980	CB	ARG	A	418	48.466	73.837	31.868	1.00	52.28	C
ATOM	2981	CG	ARG	A	418	49.490	74.195	32.910	1.00	50.43	C
ATOM	2982	CD	ARG	A	418	50.547	75.142	32.313	1.00	46.70	C
ATOM	2983	NE	ARG	A	418	51.854	74.903	32.918	1.00	45.52	N
ATOM	2984	CZ	ARG	A	418	52.318	75.526	33.996	1.00	45.12	C
ATOM	2985	NH1	ARG	A	418	53.518	75.205	34.466	1.00	43.80	N
ATOM	2986	NH2	ARG	A	418	51.609	76.492	34.579	1.00	43.75	N
ATOM	2987	C	ARG	A	418	46.297	72.944	31.180	1.00	56.94	C
ATOM	2988	O	ARG	A	418	45.353	73.725	31.175	1.00	57.38	O
ATOM	2989	N	PHE	A	419	46.508	72.051	30.215	1.00	59.06	N
ATOM	2990	CA	PHE	A	419	45.650	71.986	29.039	1.00	61.40	C
ATOM	2991	CB	PHE	A	419	46.530	71.797	27.800	1.00	57.81	C
ATOM	2992	CG	PHE	A	419	47.517	72.929	27.580	1.00	54.63	C
ATOM	2993	CD1	PHE	A	419	47.141	74.086	26.894	1.00	52.52	C
ATOM	2994	CD2	PHE	A	419	48.805	72.856	28.100	1.00	52.13	C

ATOM	2995	CE1	PHE	A	419	48.023	75.145	26.733	1.00	49.54	C
ATOM	2996	CE2	PHE	A	419	49.694	73.914	27.943	1.00	50.55	C
ATOM	2997	CZ	PHE	A	419	49.298	75.060	27.259	1.00	50.28	C
ATOM	2998	C	PHE	A	419	44.503	70.976	29.043	1.00	65.83	C
ATOM	2999	O	PHE	A	419	43.871	70.746	28.009	1.00	67.98	O
ATOM	3000	N	SER	A	420	44.223	70.372	30.194	1.00	69.41	N
ATOM	3001	CA	SER	A	420	43.105	69.429	30.295	1.00	71.83	C
ATOM	3002	CB	SER	A	420	43.246	68.565	31.551	1.00	71.89	C
ATOM	3003	OG	SER	A	420	43.212	69.365	32.725	1.00	69.71	O
ATOM	3004	C	SER	A	420	41.891	70.330	30.449	1.00	73.51	C
ATOM	3005	O	SER	A	420	41.958	71.298	31.204	1.00	74.73	O
ATOM	3006	N	LYS	A	421	40.788	70.051	29.763	1.00	75.00	N
ATOM	3007	CA	LYS	A	421	39.643	70.940	29.926	1.00	77.65	C
ATOM	3008	CB	LYS	A	421	38.482	70.546	29.029	1.00	79.14	C
ATOM	3009	CG	LYS	A	421	37.309	71.505	29.185	1.00	81.13	C
ATOM	3010	CD	LYS	A	421	37.731	72.948	28.909	1.00	82.55	C
ATOM	3011	CE	LYS	A	421	37.330	73.885	30.048	1.00	83.90	C
ATOM	3012	NZ	LYS	A	421	35.878	73.784	30.400	1.00	85.13	N
ATOM	3013	C	LYS	A	421	39.157	70.993	31.366	1.00	78.39	C
ATOM	3014	O	LYS	A	421	38.476	70.088	31.834	1.00	78.36	O
ATOM	3015	N	LYS	A	422	39.517	72.078	32.043	1.00	80.10	N
ATOM	3016	CA	LYS	A	422	39.188	72.351	33.442	1.00	81.99	C
ATOM	3017	CB	LYS	A	422	39.348	71.093	34.305	1.00	82.16	C
ATOM	3018	CG	LYS	A	422	40.729	70.476	34.301	1.00	83.20	C
ATOM	3019	CD	LYS	A	422	40.697	69.033	34.814	1.00	84.03	C
ATOM	3020	CE	LYS	A	422	40.042	68.086	33.802	1.00	82.53	C
ATOM	3021	NZ	LYS	A	422	40.881	66.881	33.543	1.00	81.12	N
ATOM	3022	C	LYS	A	422	40.204	73.424	33.824	1.00	83.47	C
ATOM	3023	O	LYS	A	422	39.910	74.356	34.578	1.00	83.82	O
ATOM	3024	N	ASN	A	423	41.409	73.272	33.285	1.00	84.47	N
ATOM	3025	CA	ASN	A	423	42.473	74.251	33.460	1.00	85.03	C
ATOM	3026	CB	ASN	A	423	43.821	73.581	33.702	1.00	85.50	C
ATOM	3027	CG	ASN	A	423	43.871	72.820	35.002	1.00	86.12	C
ATOM	3028	OD1	ASN	A	423	43.185	71.811	35.167	1.00	87.33	O
ATOM	3029	ND2	ASN	A	423	44.692	73.298	35.938	1.00	85.27	N
ATOM	3030	C	ASN	A	423	42.482	74.887	32.077	1.00	85.44	C
ATOM	3031	O	ASN	A	423	42.756	76.073	31.902	1.00	84.97	O
ATOM	3032	N	LYS	A	424	42.158	74.053	31.094	1.00	86.36	N
ATOM	3033	CA	LYS	A	424	42.097	74.455	29.702	1.00	87.70	C
ATOM	3034	CB	LYS	A	424	41.852	73.227	28.824	1.00	87.18	C
ATOM	3035	CG	LYS	A	424	41.294	73.548	27.453	1.00	87.36	C
ATOM	3036	CD	LYS	A	424	41.127	72.297	26.609	1.00	87.06	C
ATOM	3037	CE	LYS	A	424	40.391	72.617	25.317	1.00	87.49	C
ATOM	3038	NZ	LYS	A	424	40.393	71.480	24.355	1.00	86.37	N
ATOM	3039	C	LYS	A	424	40.985	75.470	29.494	1.00	89.08	C
ATOM	3040	O	LYS	A	424	39.963	75.443	30.184	1.00	91.55	O
ATOM	3041	N	ASP	A	425	41.189	76.364	28.536	1.00	88.83	N
ATOM	3042	CA	ASP	A	425	40.211	77.390	28.222	1.00	89.26	C
ATOM	3043	CB	ASP	A	425	38.912	76.759	27.727	1.00	91.28	C
ATOM	3044	CG	ASP	A	425	39.103	75.993	26.437	1.00	93.01	C
ATOM	3045	OD1	ASP	A	425	40.045	76.329	25.680	1.00	93.46	O
ATOM	3046	OD2	ASP	A	425	38.307	75.065	26.179	1.00	94.08	O
ATOM	3047	C	ASP	A	425	39.935	78.330	29.377	1.00	88.58	C
ATOM	3048	O	ASP	A	425	38.823	78.816	29.561	1.00	89.41	O
ATOM	3049	N	ASN	A	426	40.964	78.552	30.174	1.00	87.61	N
ATOM	3050	CA	ASN	A	426	40.903	79.492	31.274	1.00	87.62	C
ATOM	3051	CB	ASN	A	426	41.075	78.785	32.619	1.00	87.78	C
ATOM	3052	CG	ASN	A	426	42.352	79.189	33.322	1.00	89.31	C
ATOM	3053	OD1	ASN	A	426	43.389	78.540	33.179	1.00	89.52	O
ATOM	3054	ND2	ASN	A	426	42.293	80.287	34.072	1.00	90.69	N
ATOM	3055	C	ASN	A	426	42.148	80.312	30.922	1.00	87.24	C
ATOM	3056	O	ASN	A	426	42.519	81.288	31.587	1.00	87.47	O
ATOM	3057	N	ILE	A	427	42.773	79.878	29.827	1.00	85.46	N
ATOM	3058	CA	ILE	A	427	43.979	80.490	29.295	1.00	82.27	C
ATOM	3059	CB	ILE	A	427	45.022	79.448	28.941	1.00	83.02	C
ATOM	3060	CG2	ILE	A	427	46.383	80.105	28.910	1.00	84.64	C
ATOM	3061	CG1	ILE	A	427	45.019	78.326	29.979	1.00	84.02	C
ATOM	3062	CD1	ILE	A	427	45.814	77.102	29.546	1.00	83.31	C
ATOM	3063	C	ILE	A	427	43.666	81.264	28.032	1.00	79.52	C
ATOM	3064	O	ILE	A	427	43.032	80.754	27.103	1.00	77.44	O
ATOM	3065	N	ASP	A	428	44.163	82.490	28.000	1.00	77.26	N
ATOM	3066	CA	ASP	A	428	43.923	83.397	26.897	1.00	75.56	C
ATOM	3067	CB	ASP	A	428	44.189	84.834	27.367	1.00	76.12	C
ATOM	3068	CG	ASP	A	428	43.310	85.856	26.666	1.00	77.95	C
ATOM	3069	OD1	ASP	A	428	43.632	87.060	26.725	1.00	78.23	O
ATOM	3070	OD2	ASP	A	428	42.285	85.466	26.071	1.00	79.89	O
ATOM	3071	C	ASP	A	428	44.721	83.170	25.623	1.00	73.68	C

ATOM	3072	O	ASP	A	428	45.945	82.962	25.661	1.00	72.74	O
ATOM	3073	N	PRO	A	429	44.030	83.144	24.468	1.00	70.95	N
ATOM	3074	CD	PRO	A	429	42.598	83.181	24.134	1.00	68.72	C
ATOM	3075	CA	PRO	A	429	44.847	82.968	23.272	1.00	69.32	C
ATOM	3076	CB	PRO	A	429	43.806	82.746	22.175	1.00	68.32	C
ATOM	3077	CG	PRO	A	429	42.626	83.512	22.661	1.00	67.95	C
ATOM	3078	C	PRO	A	429	45.452	84.385	23.273	1.00	68.69	C
ATOM	3079	O	PRO	A	429	45.107	85.190	24.144	1.00	70.00	O
ATOM	3080	N	TYR	A	430	46.326	84.728	22.346	1.00	66.25	N
ATOM	3081	CA	TYR	A	430	46.910	86.066	22.390	1.00	63.22	C
ATOM	3082	CB	TYR	A	430	45.845	87.135	22.649	1.00	64.44	C
ATOM	3083	CG	TYR	A	430	44.685	87.065	21.681	1.00	67.09	C
ATOM	3084	CD1	TYR	A	430	43.390	86.799	22.128	1.00	66.80	C
ATOM	3085	CE1	TYR	A	430	42.335	86.677	21.239	1.00	66.92	C
ATOM	3086	CD2	TYR	A	430	44.889	87.213	20.311	1.00	67.97	C
ATOM	3087	CE2	TYR	A	430	43.837	87.094	19.411	1.00	68.43	C
ATOM	3088	CZ	TYR	A	430	42.565	86.824	19.881	1.00	67.89	C
ATOM	3089	OH	TYR	A	430	41.529	86.694	18.985	1.00	67.03	O
ATOM	3090	C	TYR	A	430	47.937	86.066	23.504	1.00	60.64	C
ATOM	3091	O	TYR	A	430	48.764	86.957	23.585	1.00	62.09	O
ATOM	3092	N	ILE	A	431	47.869	85.068	24.375	1.00	58.64	N
ATOM	3093	CA	ILE	A	431	48.858	84.918	25.441	1.00	57.22	C
ATOM	3094	CB	ILE	A	431	48.217	84.714	26.841	1.00	57.21	C
ATOM	3095	CG2	ILE	A	431	49.259	84.190	27.837	1.00	56.12	C
ATOM	3096	CG1	ILE	A	431	47.709	86.050	27.372	1.00	56.15	C
ATOM	3097	CD1	ILE	A	431	48.810	87.023	27.682	1.00	55.11	C
ATOM	3098	C	ILE	A	431	49.666	83.681	25.056	1.00	55.93	C
ATOM	3099	O	ILE	A	431	50.883	83.759	24.915	1.00	57.99	O
ATOM	3100	N	TYR	A	432	48.990	82.546	24.879	1.00	52.58	N
ATOM	3101	CA	TYR	A	432	49.666	81.320	24.452	1.00	49.30	C
ATOM	3102	CB	TYR	A	432	48.968	80.080	25.000	1.00	43.39	C
ATOM	3103	CG	TYR	A	432	49.501	78.769	24.457	1.00	38.44	C
ATOM	3104	CD1	TYR	A	432	48.849	78.108	23.419	1.00	35.88	C
ATOM	3105	CE1	TYR	A	432	49.271	76.842	22.996	1.00	34.27	C
ATOM	3106	CD2	TYR	A	432	50.608	78.142	25.050	1.00	34.89	C
ATOM	3107	CE2	TYR	A	432	51.039	76.891	24.635	1.00	30.57	C
ATOM	3108	CZ	TYR	A	432	50.365	76.242	23.616	1.00	34.10	C
ATOM	3109	OH	TYR	A	432	50.753	74.971	23.235	1.00	36.03	O
ATOM	3110	C	TYR	A	432	49.575	81.331	22.943	1.00	49.27	C
ATOM	3111	O	TYR	A	432	48.528	81.035	22.377	1.00	49.87	O
ATOM	3112	N	THR	A	433	50.680	81.671	22.290	1.00	50.82	N
ATOM	3113	CA	THR	A	433	50.690	81.767	20.832	1.00	51.72	C
ATOM	3114	CB	THR	A	433	50.562	83.249	20.430	1.00	52.66	C
ATOM	3115	OG1	THR	A	433	51.387	84.050	21.297	1.00	53.38	O
ATOM	3116	CG2	THR	A	433	49.107	83.697	20.545	1.00	51.36	C
ATOM	3117	C	THR	A	433	51.901	81.151	20.122	1.00	49.85	C
ATOM	3118	O	THR	A	433	52.727	81.868	19.565	1.00	51.57	O
ATOM	3119	N	PRO	A	434	51.993	79.811	20.096	1.00	47.58	N
ATOM	3120	CD	PRO	A	434	50.973	78.855	20.532	1.00	46.77	C
ATOM	3121	CA	PRO	A	434	53.099	79.099	19.458	1.00	46.02	C
ATOM	3122	CB	PRO	A	434	52.969	77.669	20.003	1.00	45.58	C
ATOM	3123	CG	PRO	A	434	51.826	77.712	20.967	1.00	46.02	C
ATOM	3124	C	PRO	A	434	53.047	79.114	17.934	1.00	44.61	C
ATOM	3125	O	PRO	A	434	54.073	78.941	17.288	1.00	45.49	O
ATOM	3126	N	PHE	A	435	51.858	79.296	17.371	1.00	42.59	N
ATOM	3127	CA	PHE	A	435	51.685	79.313	15.924	1.00	41.94	C
ATOM	3128	CB	PHE	A	435	50.701	78.223	15.476	1.00	41.81	C
ATOM	3129	CG	PHE	A	435	51.198	76.814	15.684	1.00	43.99	C
ATOM	3130	CD1	PHE	A	435	52.000	76.193	14.728	1.00	45.35	C
ATOM	3131	CD2	PHE	A	435	50.872	76.107	16.838	1.00	43.81	C
ATOM	3132	CE1	PHE	A	435	52.470	74.890	14.915	1.00	44.79	C
ATOM	3133	CE2	PHE	A	435	51.335	74.810	17.037	1.00	44.53	C
ATOM	3134	CZ	PHE	A	435	52.138	74.201	16.067	1.00	47.00	C
ATOM	3135	C	PHE	A	435	51.117	80.667	15.569	1.00	43.42	C
ATOM	3136	O	PHE	A	435	50.595	80.868	14.459	1.00	42.21	O
ATOM	3137	N	GLY	A	436	51.212	81.595	16.524	1.00	44.41	N
ATOM	3138	CA	GLY	A	436	50.683	82.930	16.312	1.00	46.37	C
ATOM	3139	C	GLY	A	436	49.158	82.943	16.311	1.00	48.21	C
ATOM	3140	O	GLY	A	436	48.522	82.010	16.803	1.00	46.65	O
ATOM	3141	N	SER	A	437	48.570	84.002	15.760	1.00	49.76	N
ATOM	3142	CA	SER	A	437	47.120	84.133	15.696	1.00	51.99	C
ATOM	3143	CB	SER	A	437	46.559	84.643	17.033	1.00	53.88	C
ATOM	3144	OG	SER	A	437	46.130	83.585	17.885	1.00	56.32	O
ATOM	3145	C	SER	A	437	46.682	85.073	14.579	1.00	52.96	C
ATOM	3146	O	SER	A	437	47.470	85.872	14.069	1.00	54.55	O
ATOM	3147	N	GLY	A	438	45.415	84.963	14.199	1.00	53.57	N
ATOM	3148	CA	GLY	A	438	44.882	85.814	13.152	1.00	52.86	C

ATOM	3149	C	GLY	A	438	45.185	85.335	11.747	1.00	51.96	C
ATOM	3150	O	GLY	A	438	45.753	84.262	11.553	1.00	50.86	O
ATOM	3151	N	PRO	A	439	44.809	86.130	10.737	1.00	51.87	N
ATOM	3152	CD	PRO	A	439	44.160	87.447	10.891	1.00	51.23	C
ATOM	3153	CA	PRO	A	439	45.024	85.814	9.325	1.00	51.47	C
ATOM	3154	CB	PRO	A	439	44.728	87.138	8.626	1.00	52.80	C
ATOM	3155	CG	PRO	A	439	43.659	87.732	9.492	1.00	52.15	C
ATOM	3156	C	PRO	A	439	46.422	85.308	8.997	1.00	50.60	C
ATOM	3157	O	PRO	A	439	46.574	84.243	8.412	1.00	50.88	O
ATOM	3158	N	ARG	A	440	47.442	86.055	9.399	1.00	49.74	N
ATOM	3159	CA	ARG	A	440	48.811	85.672	9.074	1.00	48.06	C
ATOM	3160	CB	ARG	A	440	49.619	86.941	8.786	1.00	47.69	C
ATOM	3161	CG	ARG	A	440	50.813	86.684	7.931	1.00	47.48	C
ATOM	3162	CD	ARG	A	440	51.236	87.865	7.095	1.00	48.52	C
ATOM	3163	NE	ARG	A	440	52.322	87.429	6.219	1.00	50.53	N
ATOM	3164	CZ	ARG	A	440	52.974	88.199	5.361	1.00	52.22	C
ATOM	3165	NH1	ARG	A	440	53.938	87.666	4.625	1.00	54.08	N
ATOM	3166	NH2	ARG	A	440	52.675	89.488	5.236	1.00	53.19	N
ATOM	3167	C	ARG	A	440	49.568	84.772	10.061	1.00	46.88	C
ATOM	3168	O	ARG	A	440	50.743	85.009	10.354	1.00	46.99	O
ATOM	3169	N	ASN	A	441	48.909	83.728	10.555	1.00	45.30	N
ATOM	3170	CA	ASN	A	441	49.546	82.810	11.492	1.00	43.38	C
ATOM	3171	CB	ASN	A	441	48.525	82.322	12.518	1.00	43.95	C
ATOM	3172	CG	ASN	A	441	47.619	81.230	11.961	1.00	46.26	C
ATOM	3173	OD1	ASN	A	441	47.037	81.371	10.879	1.00	47.77	O
ATOM	3174	ND2	ASN	A	441	47.499	80.134	12.699	1.00	46.24	N
ATOM	3175	C	ASN	A	441	50.099	81.625	10.698	1.00	42.25	C
ATOM	3176	O	ASN	A	441	50.002	81.589	9.475	1.00	41.24	O
ATOM	3177	N	CYS	A	442	50.671	80.652	11.394	1.00	41.89	N
ATOM	3178	CA	CYS	A	442	51.228	79.477	10.741	1.00	42.37	C
ATOM	3179	CB	CYS	A	442	51.693	78.446	11.774	1.00	42.58	C
ATOM	3180	SG	CYS	A	442	52.602	77.050	11.028	1.00	43.40	S
ATOM	3181	C	CYS	A	442	50.224	78.815	9.827	1.00	42.63	C
ATOM	3182	O	CYS	A	442	49.262	78.217	10.306	1.00	42.82	O
ATOM	3183	N	ILE	A	443	50.454	78.901	8.519	1.00	43.64	N
ATOM	3184	CA	ILE	A	443	49.554	78.290	7.539	1.00	43.12	C
ATOM	3185	CB	ILE	A	443	49.923	78.655	6.101	1.00	42.28	C
ATOM	3186	CG2	ILE	A	443	51.117	77.825	5.660	1.00	44.50	C
ATOM	3187	CG1	ILE	A	443	48.757	78.319	5.161	1.00	42.95	C
ATOM	3188	CD1	ILE	A	443	48.882	78.901	3.735	1.00	40.73	C
ATOM	3189	C	ILE	A	443	49.587	76.771	7.624	1.00	43.48	C
ATOM	3190	O	ILE	A	443	48.661	76.104	7.179	1.00	45.01	O
ATOM	3191	N	GLY	A	444	50.653	76.224	8.192	1.00	43.65	N
ATOM	3192	CA	GLY	A	444	50.756	74.785	8.300	1.00	43.63	C
ATOM	3193	C	GLY	A	444	50.823	74.314	9.732	1.00	44.52	C
ATOM	3194	O	GLY	A	444	51.610	73.436	10.062	1.00	44.80	O
ATOM	3195	N	MET	A	445	49.982	74.880	10.582	1.00	46.39	N
ATOM	3196	CA	MET	A	445	49.965	74.512	11.995	1.00	48.75	C
ATOM	3197	CB	MET	A	445	49.085	75.488	12.771	1.00	49.32	C
ATOM	3198	CG	MET	A	445	48.605	74.970	14.112	1.00	49.96	C
ATOM	3199	SD	MET	A	445	47.702	76.230	15.037	1.00	51.66	S
ATOM	3200	CE	MET	A	445	46.526	76.856	13.786	1.00	50.54	C
ATOM	3201	C	MET	A	445	49.500	73.089	12.260	1.00	50.07	C
ATOM	3202	O	MET	A	445	50.172	72.309	12.940	1.00	50.62	O
ATOM	3203	N	ARG	A	446	48.335	72.755	11.728	1.00	52.44	N
ATOM	3204	CA	ARG	A	446	47.771	71.430	11.923	1.00	53.55	C
ATOM	3205	CB	ARG	A	446	46.404	71.348	11.238	1.00	55.83	C
ATOM	3206	CG	ARG	A	446	45.441	72.344	11.827	1.00	61.50	C
ATOM	3207	CD	ARG	A	446	44.061	72.195	11.259	1.00	68.74	C
ATOM	3208	NE	ARG	A	446	44.017	72.506	9.838	1.00	73.45	N
ATOM	3209	CZ	ARG	A	446	42.893	72.579	9.133	1.00	75.98	C
ATOM	3210	NH1	ARG	A	446	41.719	72.362	9.725	1.00	76.91	N
ATOM	3211	NH2	ARG	A	446	42.946	72.874	7.841	1.00	76.60	N
ATOM	3212	C	ARG	A	446	48.713	70.369	11.386	1.00	51.59	C
ATOM	3213	O	ARG	A	446	49.020	69.390	12.077	1.00	51.80	O
ATOM	3214	N	PHE	A	447	49.178	70.575	10.159	1.00	48.83	N
ATOM	3215	CA	PHE	A	447	50.091	69.628	9.545	1.00	45.66	C
ATOM	3216	CB	PHE	A	447	50.606	70.176	8.209	1.00	46.38	C
ATOM	3217	CG	PHE	A	447	51.593	69.273	7.514	1.00	47.64	C
ATOM	3218	CD1	PHE	A	447	52.903	69.184	7.953	1.00	46.46	C
ATOM	3219	CD2	PHE	A	447	51.219	68.540	6.392	1.00	49.10	C
ATOM	3220	CE1	PHE	A	447	53.817	68.391	7.289	1.00	46.84	C
ATOM	3221	CE2	PHE	A	447	52.142	67.741	5.719	1.00	47.89	C
ATOM	3222	CZ	PHE	A	447	53.439	67.671	6.170	1.00	46.13	C
ATOM	3223	C	PHE	A	447	51.232	69.430	10.521	1.00	42.58	C
ATOM	3224	O	PHE	A	447	51.590	68.290	10.862	1.00	40.08	O
ATOM	3225	N	ALA	A	448	51.776	70.543	11.001	1.00	38.95	N

ATOM	3226	CA	ALA	A	448	52.883	70.468	11.940	1.00	37.31	C
ATOM	3227	CB	ALA	A	448	53.243	71.862	12.425	1.00	35.61	C
ATOM	3228	C	ALA	A	448	52.533	69.552	13.118	1.00	37.05	C
ATOM	3229	O	ALA	A	448	53.297	68.646	13.470	1.00	34.69	O
ATOM	3230	N	LEU	A	449	51.357	69.776	13.705	1.00	39.95	N
ATOM	3231	CA	LEU	A	449	50.888	68.996	14.854	1.00	41.35	C
ATOM	3232	CB	LEU	A	449	49.606	69.610	15.416	1.00	40.31	C
ATOM	3233	CG	LEU	A	449	49.779	70.956	16.126	1.00	40.13	C
ATOM	3234	CD1	LEU	A	449	48.427	71.598	16.309	1.00	39.37	C
ATOM	3235	CD2	LEU	A	449	50.486	70.766	17.465	1.00	37.04	C
ATOM	3236	C	LEU	A	449	50.666	67.519	14.548	1.00	43.80	C
ATOM	3237	O	LEU	A	449	51.156	66.658	15.287	1.00	43.67	O
ATOM	3238	N	MET	A	450	49.922	67.227	13.479	1.00	45.61	N
ATOM	3239	CA	MET	A	450	49.679	65.844	13.078	1.00	49.02	C
ATOM	3240	CB	MET	A	450	49.120	65.786	11.657	1.00	52.44	C
ATOM	3241	CG	MET	A	450	47.685	65.271	11.511	1.00	55.90	C
ATOM	3242	SD	MET	A	450	47.453	63.488	11.685	1.00	61.87	S
ATOM	3243	CE	MET	A	450	46.837	63.379	13.349	1.00	55.95	C
ATOM	3244	C	MET	A	450	51.038	65.179	13.081	1.00	50.93	C
ATOM	3245	O	MET	A	450	51.323	64.321	13.917	1.00	51.61	O
ATOM	3246	N	ASN	A	451	51.873	65.614	12.141	1.00	51.85	N
ATOM	3247	CA	ASN	A	451	53.232	65.112	11.961	1.00	53.46	C
ATOM	3248	CB	ASN	A	451	54.042	66.154	11.198	1.00	55.60	C
ATOM	3249	CG	ASN	A	451	55.332	65.597	10.637	1.00	56.70	C
ATOM	3250	OD1	ASN	A	451	56.327	66.315	10.521	1.00	57.54	O
ATOM	3251	ND2	ASN	A	451	55.317	64.319	10.269	1.00	57.20	N
ATOM	3252	C	ASN	A	451	53.955	64.788	13.273	1.00	54.29	C
ATOM	3253	O	ASN	A	451	54.467	63.671	13.484	1.00	53.02	O
ATOM	3254	N	MET	A	452	54.008	65.785	14.149	1.00	54.40	N
ATOM	3255	CA	MET	A	452	54.673	65.637	15.438	1.00	54.56	C
ATOM	3256	CB	MET	A	452	54.672	66.968	16.168	1.00	56.21	C
ATOM	3257	CG	MET	A	452	56.046	67.528	16.399	1.00	58.72	C
ATOM	3258	SD	MET	A	452	55.914	69.240	16.887	1.00	63.46	S
ATOM	3259	CE	MET	A	452	55.290	69.943	15.353	1.00	61.34	C
ATOM	3260	C	MET	A	452	54.059	64.582	16.341	1.00	52.58	C
ATOM	3261	O	MET	A	452	54.758	63.950	17.127	1.00	54.00	O
ATOM	3262	N	LYS	A	453	52.747	64.413	16.252	1.00	50.78	N
ATOM	3263	CA	LYS	A	453	52.054	63.430	17.077	1.00	47.77	C
ATOM	3264	CB	LYS	A	453	50.557	63.750	17.131	1.00	45.88	C
ATOM	3265	CG	LYS	A	453	50.238	65.043	17.865	1.00	43.68	C
ATOM	3266	CD	LYS	A	453	48.742	65.273	17.913	1.00	45.57	C
ATOM	3267	CE	LYS	A	453	48.370	66.485	18.759	1.00	46.51	C
ATOM	3268	NZ	LYS	A	453	48.832	66.386	20.178	1.00	48.65	N
ATOM	3269	C	LYS	A	453	52.289	62.044	16.497	1.00	46.67	C
ATOM	3270	O	LYS	A	453	52.712	61.130	17.202	1.00	44.59	O
ATOM	3271	N	LEU	A	454	52.003	61.891	15.208	1.00	46.39	N
ATOM	3272	CA	LEU	A	454	52.228	60.622	14.552	1.00	45.66	C
ATOM	3273	CB	LEU	A	454	52.187	60.773	13.036	1.00	43.99	C
ATOM	3274	CG	LEU	A	454	50.920	60.521	12.217	1.00	43.83	C
ATOM	3275	CD1	LEU	A	454	49.978	59.638	13.005	1.00	43.49	C
ATOM	3276	CD2	LEU	A	454	50.270	61.833	11.832	1.00	42.33	C
ATOM	3277	C	LEU	A	454	53.618	60.159	14.968	1.00	47.16	C
ATOM	3278	O	LEU	A	454	53.822	59.006	15.305	1.00	48.83	O
ATOM	3279	N	ALA	A	455	54.585	61.064	14.955	1.00	48.86	N
ATOM	3280	CA	ALA	A	455	55.936	60.676	15.332	1.00	51.92	C
ATOM	3281	CB	ALA	A	455	56.892	61.828	15.115	1.00	53.88	C
ATOM	3282	C	ALA	A	455	55.997	60.212	16.779	1.00	52.24	C
ATOM	3283	O	ALA	A	455	56.726	59.293	17.113	1.00	53.09	O
ATOM	3284	N	LEU	A	456	55.237	60.854	17.647	1.00	54.03	N
ATOM	3285	CA	LEU	A	456	55.228	60.453	19.037	1.00	54.61	C
ATOM	3286	CB	LEU	A	456	54.515	61.508	19.879	1.00	54.59	C
ATOM	3287	CG	LEU	A	456	55.395	62.558	20.564	1.00	54.47	C
ATOM	3288	CD1	LEU	A	456	56.834	62.400	20.125	1.00	55.80	C
ATOM	3289	CD2	LEU	A	456	54.860	63.947	20.254	1.00	52.69	C
ATOM	3290	C	LEU	A	456	54.554	59.094	19.201	1.00	54.97	C
ATOM	3291	O	LEU	A	456	55.064	58.231	19.896	1.00	56.23	O
ATOM	3292	N	ILE	A	457	53.423	58.889	18.546	1.00	55.88	N
ATOM	3293	CA	ILE	A	457	52.728	57.612	18.675	1.00	58.86	C
ATOM	3294	CB	ILE	A	457	51.564	57.495	17.673	1.00	59.31	C
ATOM	3295	CG2	ILE	A	457	50.873	56.151	17.839	1.00	58.30	C
ATOM	3296	CG1	ILE	A	457	50.599	58.669	17.871	1.00	60.28	C
ATOM	3297	CD1	ILE	A	457	50.433	59.085	19.324	1.00	59.98	C
ATOM	3298	C	ILE	A	457	53.639	56.401	18.489	1.00	59.59	C
ATOM	3299	O	ILE	A	457	54.018	55.744	19.462	1.00	60.07	O
ATOM	3300	N	ARG	A	458	53.970	56.104	17.233	1.00	60.82	N
ATOM	3301	CA	ARG	A	458	54.834	54.976	16.899	1.00	61.26	C
ATOM	3302	CB	ARG	A	458	55.270	55.045	15.427	1.00	61.56	C

ATOM	3303	CG	ARG	A	458	54.202	54.566	14.442	1.00	65.27	C
ATOM	3304	CD	ARG	A	458	54.772	53.532	13.466	1.00	68.28	C
ATOM	3305	NE	ARG	A	458	53.755	52.643	12.906	1.00	69.00	N
ATOM	3306	CZ	ARG	A	458	53.029	51.790	13.629	1.00	71.69	C
ATOM	3307	NH1	ARG	A	458	52.122	51.013	13.040	1.00	71.55	N
ATOM	3308	NH2	ARG	A	458	53.202	51.716	14.948	1.00	70.68	N
ATOM	3309	C	ARG	A	458	56.063	54.922	17.797	1.00	60.85	C
ATOM	3310	O	ARG	A	458	56.466	53.847	18.252	1.00	62.10	O
ATOM	3311	N	VAL	A	459	56.658	56.076	18.071	1.00	58.84	N
ATOM	3312	CA	VAL	A	459	57.839	56.095	18.916	1.00	56.32	C
ATOM	3313	CB	VAL	A	459	58.477	57.473	18.944	1.00	55.05	C
ATOM	3314	CG1	VAL	A	459	59.556	57.506	19.979	1.00	57.52	C
ATOM	3315	CG2	VAL	A	459	59.077	57.777	17.603	1.00	56.09	C
ATOM	3316	C	VAL	A	459	57.555	55.652	20.341	1.00	55.21	C
ATOM	3317	O	VAL	A	459	58.166	54.707	20.827	1.00	55.40	O
ATOM	3318	N	LEU	A	460	56.633	56.331	21.014	1.00	55.14	N
ATOM	3319	CA	LEU	A	460	56.295	55.976	22.388	1.00	54.59	C
ATOM	3320	CB	LEU	A	460	55.209	56.902	22.949	1.00	54.39	C
ATOM	3321	CG	LEU	A	460	55.540	58.268	23.584	1.00	54.12	C
ATOM	3322	CD1	LEU	A	460	56.757	58.131	24.517	1.00	51.69	C
ATOM	3323	CD2	LEU	A	460	55.783	59.315	22.503	1.00	52.28	C
ATOM	3324	C	LEU	A	460	55.811	54.539	22.496	1.00	54.75	C
ATOM	3325	O	LEU	A	460	56.117	53.852	23.466	1.00	54.60	O
ATOM	3326	N	GLN	A	461	55.061	54.080	21.501	1.00	54.62	N
ATOM	3327	CA	GLN	A	461	54.541	52.724	21.537	1.00	55.27	C
ATOM	3328	CB	GLN	A	461	53.236	52.642	20.728	1.00	54.29	C
ATOM	3329	CG	GLN	A	461	53.369	52.485	19.244	1.00	54.74	C
ATOM	3330	CD	GLN	A	461	52.039	52.667	18.538	1.00	57.16	C
ATOM	3331	OE1	GLN	A	461	50.999	52.810	19.178	1.00	54.77	O
ATOM	3332	NE2	GLN	A	461	52.066	52.663	17.207	1.00	59.85	N
ATOM	3333	C	GLN	A	461	55.540	51.667	21.071	1.00	56.56	C
ATOM	3334	O	GLN	A	461	55.165	50.642	20.508	1.00	57.32	O
ATOM	3335	N	ASN	A	462	56.818	51.908	21.339	1.00	58.25	N
ATOM	3336	CA	ASN	A	462	57.869	50.979	20.935	1.00	59.97	C
ATOM	3337	CB	ASN	A	462	58.269	51.226	19.474	1.00	57.75	C
ATOM	3338	CG	ASN	A	462	57.361	50.527	18.485	1.00	58.70	C
ATOM	3339	OD1	ASN	A	462	57.443	49.313	18.311	1.00	60.10	O
ATOM	3340	ND2	ASN	A	462	56.488	51.289	17.825	1.00	57.51	N
ATOM	3341	C	ASN	A	462	59.104	51.141	21.810	1.00	62.17	C
ATOM	3342	O	ASN	A	462	59.903	50.217	21.943	1.00	62.60	O
ATOM	3343	N	PHE	A	463	59.258	52.318	22.408	1.00	64.68	N
ATOM	3344	CA	PHE	A	463	60.433	52.593	23.224	1.00	68.16	C
ATOM	3345	CB	PHE	A	463	61.481	53.376	22.419	1.00	69.16	C
ATOM	3346	CG	PHE	A	463	61.839	52.753	21.107	1.00	69.63	C
ATOM	3347	CD1	PHE	A	463	62.930	51.915	21.000	1.00	69.81	C
ATOM	3348	CD2	PHE	A	463	61.054	52.976	19.988	1.00	69.91	C
ATOM	3349	CE1	PHE	A	463	63.229	51.309	19.805	1.00	70.99	C
ATOM	3350	CE2	PHE	A	463	61.346	52.373	18.791	1.00	70.47	C
ATOM	3351	CZ	PHE	A	463	62.437	51.537	18.697	1.00	71.80	C
ATOM	3352	C	PHE	A	463	60.117	53.422	24.441	1.00	70.05	C
ATOM	3353	O	PHE	A	463	59.017	53.951	24.602	1.00	70.63	O
ATOM	3354	N	SER	A	464	61.128	53.551	25.283	1.00	71.30	N
ATOM	3355	CA	SER	A	464	61.031	54.352	26.476	1.00	73.72	C
ATOM	3356	CB	SER	A	464	60.946	53.461	27.717	1.00	74.94	C
ATOM	3357	OG	SER	A	464	60.562	54.210	28.862	1.00	77.33	O
ATOM	3358	C	SER	A	464	62.327	55.156	26.458	1.00	75.11	C
ATOM	3359	O	SER	A	464	63.407	54.624	26.180	1.00	76.01	O
ATOM	3360	N	PHE	A	465	62.215	56.449	26.726	1.00	75.85	N
ATOM	3361	CA	PHE	A	465	63.369	57.326	26.719	1.00	75.09	C
ATOM	3362	CB	PHE	A	465	63.064	58.563	25.871	1.00	72.43	C
ATOM	3363	CG	PHE	A	465	62.760	58.255	24.435	1.00	68.60	C
ATOM	3364	CD1	PHE	A	465	63.701	58.478	23.451	1.00	67.58	C
ATOM	3365	CD2	PHE	A	465	61.551	57.704	24.075	1.00	67.77	C
ATOM	3366	CE1	PHE	A	465	63.443	58.153	22.135	1.00	66.09	C
ATOM	3367	CE2	PHE	A	465	61.287	57.377	22.757	1.00	67.13	C
ATOM	3368	CZ	PHE	A	465	62.236	57.601	21.787	1.00	65.73	C
ATOM	3369	C	PHE	A	465	63.679	57.745	28.138	1.00	77.00	C
ATOM	3370	O	PHE	A	465	62.823	58.290	28.828	1.00	77.98	O
ATOM	3371	N	LYS	A	466	64.902	57.482	28.578	1.00	80.01	N
ATOM	3372	CA	LYS	A	466	65.322	57.861	29.923	1.00	82.34	C
ATOM	3373	CB	LYS	A	466	65.341	56.613	30.817	1.00	83.20	C
ATOM	3374	CG	LYS	A	466	64.178	55.641	30.490	1.00	85.33	C
ATOM	3375	CD	LYS	A	466	63.613	54.887	31.709	1.00	85.17	C
ATOM	3376	CE	LYS	A	466	62.197	55.361	32.071	1.00	85.07	C
ATOM	3377	NZ	LYS	A	466	62.138	56.764	32.605	1.00	84.14	N
ATOM	3378	C	LYS	A	466	66.707	58.510	29.797	1.00	83.63	C
ATOM	3379	O	LYS	A	466	67.493	58.142	28.921	1.00	83.98	O

ATOM	3380	N	PRO	A	467	67.013	59.498	30.652	1.00	84.42	N
ATOM	3381	CD	PRO	A	467	66.225	59.918	31.822	1.00	84.42	C
ATOM	3382	CA	PRO	A	467	68.306	60.197	30.617	1.00	86.03	C
ATOM	3383	CB	PRO	A	467	68.195	61.189	31.776	1.00	85.50	C
ATOM	3384	CG	PRO	A	467	67.294	60.482	32.733	1.00	85.62	C
ATOM	3385	C	PRO	A	467	69.551	59.320	30.734	1.00	87.89	C
ATOM	3386	O	PRO	A	467	69.461	58.104	30.934	1.00	88.65	O
ATOM	3387	N	CYS	A	468	70.717	59.945	30.583	1.00	89.28	N
ATOM	3388	CA	CYS	A	468	71.978	59.225	30.709	1.00	90.86	C
ATOM	3389	CB	CYS	A	468	72.287	58.417	29.433	1.00	90.91	C
ATOM	3390	SG	CYS	A	468	72.790	59.339	27.970	1.00	91.24	S
ATOM	3391	C	CYS	A	468	73.148	60.145	31.081	1.00	91.68	C
ATOM	3392	O	CYS	A	468	72.968	61.135	31.799	1.00	91.57	O
ATOM	3393	N	LYS	A	469	74.341	59.821	30.597	1.00	92.47	N
ATOM	3394	CA	LYS	A	469	75.525	60.600	30.933	1.00	93.36	C
ATOM	3395	CB	LYS	A	469	76.765	59.963	30.293	1.00	94.51	C
ATOM	3396	CG	LYS	A	469	78.089	60.510	30.832	1.00	96.03	C
ATOM	3397	CD	LYS	A	469	78.205	60.290	32.339	1.00	96.70	C
ATOM	3398	CE	LYS	A	469	78.604	61.571	33.060	1.00	96.88	C
ATOM	3399	NZ	LYS	A	469	78.699	61.370	34.533	1.00	96.95	N
ATOM	3400	C	LYS	A	469	75.484	62.093	30.593	1.00	93.30	C
ATOM	3401	O	LYS	A	469	75.142	62.923	31.443	1.00	92.84	O
ATOM	3402	N	GLU	A	470	75.835	62.421	29.352	1.00	92.95	N
ATOM	3403	CA	GLU	A	470	75.898	63.806	28.879	1.00	92.65	C
ATOM	3404	CB	GLU	A	470	76.531	63.823	27.477	1.00	93.95	C
ATOM	3405	CG	GLU	A	470	76.857	65.208	26.920	1.00	95.51	C
ATOM	3406	CD	GLU	A	470	77.833	65.143	25.753	1.00	96.76	C
ATOM	3407	OE1	GLU	A	470	79.033	64.878	25.994	1.00	96.48	O
ATOM	3408	OE2	GLU	A	470	77.400	65.347	24.597	1.00	96.79	O
ATOM	3409	C	GLU	A	470	74.577	64.593	28.880	1.00	91.27	C
ATOM	3410	O	GLU	A	470	74.569	65.804	28.624	1.00	90.63	O
ATOM	3411	N	THR	A	471	73.471	63.914	29.182	1.00	89.59	N
ATOM	3412	CA	THR	A	471	72.155	64.556	29.218	1.00	87.70	C
ATOM	3413	CB	THR	A	471	71.052	63.557	29.587	1.00	86.52	C
ATOM	3414	OG1	THR	A	471	71.117	62.420	28.723	1.00	85.58	O
ATOM	3415	CG2	THR	A	471	69.701	64.203	29.445	1.00	85.35	C
ATOM	3416	C	THR	A	471	72.094	65.685	30.242	1.00	87.13	C
ATOM	3417	O	THR	A	471	72.024	65.433	31.443	1.00	86.67	O
ATOM	3418	N	GLN	A	472	72.112	66.928	29.767	1.00	86.65	N
ATOM	3419	CA	GLN	A	472	72.054	68.071	30.670	1.00	85.66	C
ATOM	3420	CB	GLN	A	472	71.982	69.403	29.923	1.00	85.77	C
ATOM	3421	CG	GLN	A	472	73.122	69.761	29.002	1.00	85.77	C
ATOM	3422	CD	GLN	A	472	72.894	71.127	28.373	1.00	86.24	C
ATOM	3423	OE1	GLN	A	472	73.205	72.161	28.968	1.00	87.48	O
ATOM	3424	NE2	GLN	A	472	72.315	71.136	27.177	1.00	85.35	N
ATOM	3425	C	GLN	A	472	70.805	67.999	31.512	1.00	84.85	C
ATOM	3426	O	GLN	A	472	69.760	67.542	31.058	1.00	84.90	O
ATOM	3427	N	ILE	A	473	70.926	68.481	32.738	1.00	84.59	N
ATOM	3428	CA	ILE	A	473	69.819	68.539	33.678	1.00	83.90	C
ATOM	3429	CB	ILE	A	473	69.639	67.188	34.429	1.00	83.38	C
ATOM	3430	CG2	ILE	A	473	69.016	67.423	35.803	1.00	83.85	C
ATOM	3431	CG1	ILE	A	473	68.774	66.250	33.577	1.00	80.35	C
ATOM	3432	CD1	ILE	A	473	68.958	64.788	33.863	1.00	78.59	C
ATOM	3433	C	ILE	A	473	70.169	69.676	34.625	1.00	83.31	C
ATOM	3434	O	ILE	A	473	71.206	69.654	35.283	1.00	83.04	O
ATOM	3435	N	PRO	A	474	69.315	70.705	34.681	1.00	83.47	N
ATOM	3436	CD	PRO	A	474	69.473	71.811	35.637	1.00	83.57	C
ATOM	3437	CA	PRO	A	474	68.065	70.853	33.923	1.00	83.84	C
ATOM	3438	CB	PRO	A	474	67.458	72.135	34.503	1.00	83.27	C
ATOM	3439	CG	PRO	A	474	68.042	72.203	35.883	1.00	83.61	C
ATOM	3440	C	PRO	A	474	68.153	70.913	32.386	1.00	83.91	C
ATOM	3441	O	PRO	A	474	68.295	69.888	31.712	1.00	84.75	O
ATOM	3442	N	LEU	A	475	68.067	72.120	31.837	1.00	82.65	N
ATOM	3443	CA	LEU	A	475	68.073	72.299	30.394	1.00	80.69	C
ATOM	3444	CB	LEU	A	475	66.721	72.868	29.957	1.00	82.28	C
ATOM	3445	CG	LEU	A	475	66.254	74.099	30.757	1.00	84.03	C
ATOM	3446	CD1	LEU	A	475	66.185	75.307	29.849	1.00	85.08	C
ATOM	3447	CD2	LEU	A	475	64.886	73.848	31.383	1.00	85.66	C
ATOM	3448	C	LEU	A	475	69.172	73.186	29.850	1.00	79.56	C
ATOM	3449	O	LEU	A	475	70.096	72.710	29.191	1.00	80.64	O
ATOM	3450	N	LYS	A	476	69.054	74.482	30.122	1.00	77.44	N
ATOM	3451	CA	LYS	A	476	69.995	75.489	29.639	1.00	74.67	C
ATOM	3452	CB	LYS	A	476	71.456	75.039	29.830	1.00	75.70	C
ATOM	3453	CG	LYS	A	476	72.081	75.605	31.093	1.00	77.06	C
ATOM	3454	CD	LYS	A	476	72.834	74.563	31.887	1.00	79.95	C
ATOM	3455	CE	LYS	A	476	73.134	75.088	33.292	1.00	82.33	C
ATOM	3456	NZ	LYS	A	476	74.584	75.039	33.654	1.00	83.55	N

ATOM	3457	C	LYS	A	476	69.709	75.771	28.171	1.00	71.26	C
ATOM	3458	O	LYS	A	476	69.823	74.891	27.323	1.00	69.34	O
ATOM	3459	N	LEU	A	477	69.309	77.006	27.900	1.00	68.72	N
ATOM	3460	CA	LEU	A	477	68.988	77.469	26.552	1.00	65.46	C
ATOM	3461	CB	LEU	A	477	67.748	78.374	26.604	1.00	63.17	C
ATOM	3462	CG	LEU	A	477	66.467	77.848	25.957	1.00	60.25	C
ATOM	3463	CD1	LEU	A	477	66.424	76.340	26.019	1.00	59.16	C
ATOM	3464	CD2	LEU	A	477	65.280	78.458	26.654	1.00	58.03	C
ATOM	3465	C	LEU	A	477	70.176	78.233	25.956	1.00	63.26	O
ATOM	3466	O	LEU	A	477	70.924	78.902	26.676	1.00	61.98	O
ATOM	3467	N	SER	A	478	70.347	78.130	24.641	1.00	61.51	N
ATOM	3468	CA	SER	A	478	71.453	78.811	23.974	1.00	59.41	C
ATOM	3469	CB	SER	A	478	71.602	78.336	22.527	1.00	58.52	C
ATOM	3470	OG	SER	A	478	70.695	79.018	21.687	1.00	57.26	O
ATOM	3471	C	SER	A	478	71.214	80.306	23.972	1.00	58.23	C
ATOM	3472	O	SER	A	478	70.067	80.752	23.941	1.00	58.32	O
ATOM	3473	N	LEU	A	479	72.302	81.071	23.993	1.00	57.27	N
ATOM	3474	CA	LEU	A	479	72.221	82.523	23.991	1.00	55.67	C
ATOM	3475	CB	LEU	A	479	73.306	83.119	24.890	1.00	56.38	C
ATOM	3476	CG	LEU	A	479	74.666	82.434	25.030	1.00	56.11	C
ATOM	3477	CD1	LEU	A	479	75.547	83.348	25.885	1.00	54.87	C
ATOM	3478	CD2	LEU	A	479	74.529	81.039	25.669	1.00	53.49	C
ATOM	3479	C	LEU	A	479	72.300	83.116	22.590	1.00	54.59	C
ATOM	3480	O	LEU	A	479	72.600	84.299	22.415	1.00	54.59	O
ATOM	3481	N	GLY	A	480	72.006	82.279	21.595	1.00	53.30	N
ATOM	3482	CA	GLY	A	480	72.004	82.718	20.213	1.00	50.79	C
ATOM	3483	C	GLY	A	480	70.621	83.224	19.872	1.00	49.78	C
ATOM	3484	O	GLY	A	480	69.845	83.528	20.771	1.00	49.26	O
ATOM	3485	N	GLY	A	481	70.302	83.309	18.584	1.00	50.21	N
ATOM	3486	CA	GLY	A	481	68.994	83.803	18.174	1.00	50.39	C
ATOM	3487	C	GLY	A	481	68.034	82.709	17.743	1.00	51.45	C
ATOM	3488	O	GLY	A	481	67.054	82.956	17.031	1.00	49.14	O
ATOM	3489	N	LEU	A	482	68.338	81.487	18.172	1.00	52.62	N
ATOM	3490	CA	LEU	A	482	67.527	80.319	17.867	1.00	52.96	C
ATOM	3491	CB	LEU	A	482	68.321	79.323	17.018	1.00	53.24	C
ATOM	3492	CG	LEU	A	482	68.615	79.829	15.606	1.00	53.31	C
ATOM	3493	CD1	LEU	A	482	69.379	78.783	14.818	1.00	53.84	C
ATOM	3494	CD2	LEU	A	482	67.297	80.164	14.920	1.00	52.71	C
ATOM	3495	C	LEU	A	482	67.231	79.699	19.204	1.00	52.86	C
ATOM	3496	O	LEU	A	482	68.099	79.695	20.070	1.00	53.57	O
ATOM	3497	N	LEU	A	483	66.017	79.197	19.396	1.00	53.72	N
ATOM	3498	CA	LEU	A	483	65.692	78.569	20.667	1.00	54.10	C
ATOM	3499	CB	LEU	A	483	64.201	78.689	20.987	1.00	53.70	C
ATOM	3500	CG	LEU	A	483	63.881	78.685	22.489	1.00	53.64	C
ATOM	3501	CD1	LEU	A	483	62.397	78.820	22.752	1.00	52.95	C
ATOM	3502	CD2	LEU	A	483	64.376	77.404	23.081	1.00	57.21	C
ATOM	3503	C	LEU	A	483	66.081	77.108	20.557	1.00	55.15	C
ATOM	3504	O	LEU	A	483	65.320	76.292	20.053	1.00	56.30	O
ATOM	3505	N	GLN	A	484	67.286	76.789	21.004	1.00	55.77	N
ATOM	3506	CA	GLN	A	484	67.757	75.424	20.968	1.00	57.24	C
ATOM	3507	CB	GLN	A	484	68.807	75.215	19.884	1.00	58.02	C
ATOM	3508	CG	GLN	A	484	68.891	76.290	18.849	1.00	60.22	C
ATOM	3509	CD	GLN	A	484	70.316	76.478	18.390	1.00	61.72	C
ATOM	3510	OE1	GLN	A	484	70.884	75.623	17.712	1.00	61.80	O
ATOM	3511	NE2	GLN	A	484	70.913	77.598	18.779	1.00	63.48	O
ATOM	3512	C	GLN	A	484	68.400	75.166	22.307	1.00	59.69	C
ATOM	3513	O	GLN	A	484	68.710	76.100	23.057	1.00	59.01	O
ATOM	3514	N	PRO	A	485	68.630	73.887	22.616	1.00	61.46	N
ATOM	3515	CD	PRO	A	485	68.272	72.729	21.776	1.00	61.47	C
ATOM	3516	CA	PRO	A	485	69.238	73.450	23.867	1.00	63.70	C
ATOM	3517	CB	PRO	A	485	69.381	71.943	23.664	1.00	63.23	C
ATOM	3518	CG	PRO	A	485	68.217	71.610	22.774	1.00	61.81	C
ATOM	3519	C	PRO	A	485	70.571	74.099	24.221	1.00	66.52	C
ATOM	3520	O	PRO	A	485	70.717	74.672	25.302	1.00	66.17	O
ATOM	3521	N	GLU	A	486	71.522	74.031	23.285	1.00	69.94	N
ATOM	3522	CA	GLU	A	486	72.894	74.502	23.508	1.00	72.21	C
ATOM	3523	CB	GLU	A	486	72.941	75.600	24.570	1.00	72.66	C
ATOM	3524	CG	GLU	A	486	74.327	75.913	25.093	1.00	75.01	C
ATOM	3525	CD	GLU	A	486	74.452	75.669	26.592	1.00	76.42	C
ATOM	3526	OE1	GLU	A	486	74.754	74.518	26.990	1.00	76.67	O
ATOM	3527	OE2	GLU	A	486	74.238	76.630	27.372	1.00	77.13	O
ATOM	3528	C	GLU	A	486	73.443	73.202	24.080	1.00	73.35	C
ATOM	3529	O	GLU	A	486	73.214	72.900	25.251	1.00	74.97	O
ATOM	3530	N	LYS	A	487	74.137	72.424	23.256	1.00	73.88	N
ATOM	3531	CA	LYS	A	487	74.624	71.112	23.680	1.00	74.67	C
ATOM	3532	CB	LYS	A	487	75.037	71.132	25.166	1.00	75.31	C
ATOM	3533	CG	LYS	A	487	75.991	70.025	25.610	1.00	77.20	C

ATOM	3534	CD	LYS	A	487	76.638	70.332	26.982	1.00	79.60	C
ATOM	3535	CE	LYS	A	487	77.940	71.164	26.856	1.00	81.77	C
ATOM	3536	NZ	LYS	A	487	78.602	71.516	28.168	1.00	80.54	N
ATOM	3537	C	LYS	A	487	73.330	70.323	23.460	1.00	74.65	C
ATOM	3538	O	LYS	A	487	72.410	70.358	24.289	1.00	74.18	O
ATOM	3539	N	PRO	A	488	73.223	69.639	22.306	1.00	74.84	N
ATOM	3540	CD	PRO	A	488	74.303	69.421	21.327	1.00	74.46	C
ATOM	3541	CA	PRO	A	488	72.043	68.847	21.947	1.00	74.56	C
ATOM	3542	CB	PRO	A	488	72.434	68.231	20.602	1.00	73.75	C
ATOM	3543	CG	PRO	A	488	73.909	68.098	20.718	1.00	74.04	C
ATOM	3544	C	PRO	A	488	71.609	67.806	22.973	1.00	74.61	C
ATOM	3545	O	PRO	A	488	72.415	67.296	23.760	1.00	76.12	O
ATOM	3546	N	VAL	A	489	70.314	67.509	22.952	1.00	73.20	N
ATOM	3547	CA	VAL	A	489	69.714	66.545	23.854	1.00	70.20	C
ATOM	3548	CB	VAL	A	489	68.188	66.603	23.778	1.00	69.77	C
ATOM	3549	CG1	VAL	A	489	67.586	65.544	24.667	1.00	68.04	C
ATOM	3550	CG2	VAL	A	489	67.711	67.990	24.169	1.00	69.38	C
ATOM	3551	C	VAL	A	489	70.143	65.142	23.499	1.00	69.74	C
ATOM	3552	O	VAL	A	489	70.076	64.733	22.334	1.00	68.15	O
ATOM	3553	N	VAL	A	490	70.595	64.418	24.516	1.00	69.94	N
ATOM	3554	CA	VAL	A	490	71.016	63.035	24.355	1.00	69.59	C
ATOM	3555	CB	VAL	A	490	72.498	62.857	24.691	1.00	68.81	C
ATOM	3556	CG1	VAL	A	490	73.144	61.930	23.682	1.00	68.21	C
ATOM	3557	CG2	VAL	A	490	73.184	64.200	24.709	1.00	68.31	C
ATOM	3558	C	VAL	A	490	70.182	62.211	25.331	1.00	69.92	C
ATOM	3559	O	VAL	A	490	70.042	62.573	26.505	1.00	71.01	O
ATOM	3560	N	LEU	A	491	69.602	61.123	24.838	1.00	69.54	N
ATOM	3561	CA	LEU	A	491	68.786	60.260	25.678	1.00	69.63	C
ATOM	3562	CB	LEU	A	491	67.295	60.523	25.443	1.00	66.55	C
ATOM	3563	CG	LEU	A	491	66.730	61.870	25.892	1.00	64.07	C
ATOM	3564	CD1	LEU	A	491	65.231	61.909	25.615	1.00	62.62	C
ATOM	3565	CD2	LEU	A	491	67.010	62.084	27.362	1.00	62.00	C
ATOM	3566	C	LEU	A	491	69.093	58.808	25.363	1.00	71.54	C
ATOM	3567	O	LEU	A	491	69.394	58.469	24.218	1.00	70.37	C
ATOM	3568	N	LYS	A	492	69.043	57.955	26.384	1.00	74.23	N
ATOM	3569	CA	LYS	A	492	69.280	56.541	26.166	1.00	76.73	C
ATOM	3570	CB	LYS	A	492	69.866	55.850	27.404	1.00	78.57	C
ATOM	3571	CG	LYS	A	492	70.236	54.373	27.140	1.00	79.58	C
ATOM	3572	CD	LYS	A	492	70.720	53.621	28.385	1.00	80.62	C
ATOM	3573	CE	LYS	A	492	69.623	53.486	29.447	1.00	80.48	C
ATOM	3574	NZ	LYS	A	492	69.297	54.790	30.113	1.00	78.82	N
ATOM	3575	C	LYS	A	492	67.911	55.975	25.854	1.00	77.75	C
ATOM	3576	O	LYS	A	492	66.939	56.235	26.570	1.00	76.87	O
ATOM	3577	N	VAL	A	493	67.837	55.222	24.767	1.00	79.64	N
ATOM	3578	CA	VAL	A	493	66.584	54.635	24.339	1.00	82.03	C
ATOM	3579	CB	VAL	A	493	66.309	54.957	22.879	1.00	80.82	C
ATOM	3580	CG1	VAL	A	493	64.966	54.375	22.465	1.00	80.12	C
ATOM	3581	CG2	VAL	A	493	66.361	56.454	22.676	1.00	81.29	C
ATOM	3582	C	VAL	A	493	66.609	53.133	24.489	1.00	84.94	C
ATOM	3583	O	VAL	A	493	67.564	52.472	24.076	1.00	85.32	O
ATOM	3584	N	GLU	A	494	65.549	52.596	25.085	1.00	87.47	N
ATOM	3585	CA	GLU	A	494	65.438	51.163	25.280	1.00	89.43	C
ATOM	3586	CB	GLU	A	494	65.511	50.828	26.776	1.00	91.70	C
ATOM	3587	CG	GLU	A	494	66.801	51.340	27.434	1.00	95.85	C
ATOM	3588	CD	GLU	A	494	67.101	50.687	28.778	1.00	98.41	C
ATOM	3589	OE1	GLU	A	494	67.142	49.435	28.834	1.00	99.54	O
ATOM	3590	OE2	GLU	A	494	67.310	51.423	29.772	1.00	99.76	O
ATOM	3591	C	GLU	A	494	64.131	50.679	24.670	1.00	89.37	C
ATOM	3592	O	GLU	A	494	63.114	51.379	24.708	1.00	88.51	O
ATOM	3593	N	SER	A	495	64.173	49.493	24.079	1.00	89.75	N
ATOM	3594	CA	SER	A	495	62.992	48.913	23.463	1.00	90.89	C
ATOM	3595	CB	SER	A	495	63.386	47.660	22.673	1.00	90.57	C
ATOM	3596	OG	SER	A	495	62.277	47.100	21.990	1.00	91.28	O
ATOM	3597	C	SER	A	495	61.987	48.554	24.557	1.00	92.03	C
ATOM	3598	O	SER	A	495	62.368	48.325	25.704	1.00	92.76	O
ATOM	3599	N	ARG	A	496	60.703	48.527	24.218	1.00	92.96	N
ATOM	3600	CA	ARG	A	496	59.684	48.168	25.196	1.00	93.24	C
ATOM	3601	CB	ARG	A	496	58.456	49.064	25.058	1.00	92.29	C
ATOM	3602	CG	ARG	A	496	58.510	50.290	25.959	1.00	91.17	C
ATOM	3603	CD	ARG	A	496	57.230	51.090	25.867	1.00	90.04	C
ATOM	3604	NE	ARG	A	496	56.051	50.261	26.099	1.00	89.62	N
ATOM	3605	CZ	ARG	A	496	54.800	50.671	25.912	1.00	89.38	C
ATOM	3606	NH1	ARG	A	496	53.791	49.848	26.148	1.00	89.44	N
ATOM	3607	NH2	ARG	A	496	54.555	51.901	25.483	1.00	88.60	N
ATOM	3608	C	ARG	A	496	59.309	46.713	24.991	1.00	94.25	C
ATOM	3609	O	ARG	A	496	58.267	46.402	24.409	1.00	93.61	O
ATOM	3610	N	ALA	A	497	60.182	45.836	25.479	1.00	95.76	N

ATOM	3611	CA	ALA	A	497	60.010	44.396	25.355	1.00	97.32		C
ATOM	3612	CB	ALA	A	497	58.646	43.979	25.915	1.00	97.48		C
ATOM	3613	C	ALA	A	497	60.132	44.014	23.873	1.00	98.09		C
ATOM	3614	O	ALA	A	497	59.136	43.701	23.213	1.00	97.67		O
ATOM	3615	N	GLY	A	498	61.359	44.052	23.352	1.00	98.57		N
ATOM	3616	CA	GLY	A	498	61.579	43.716	21.954	1.00	99.46		C
ATOM	3617	C	GLY	A	498	62.823	42.887	21.682	1.00	99.73		C
ATOM	3618	O	GLY	A	498	63.694	43.353	20.908	1.00	99.36		O
ATOM	3619	OXT	GLY	A	498	62.925	41.766	22.236	1.00	99.99		O
TER	3620		GLY	A	498							
ATOM	3621	O	HOH	A1001		54.898	91.487	-1.627	1.00	32.11	A	O
ATOM	3622	O	HOH	A1002		68.987	66.032	9.986	1.00	40.88	A	O
ATOM	3623	O	HOH	A1003		52.505	62.145	-3.799	1.00	55.48	A	O
ATOM	3624	O	HOH	A1004		67.908	84.509	-5.902	1.00	46.98	A	O
ATOM	3625	O	HOH	A1005		58.132	82.846	9.612	1.00	26.93	A	O
ATOM	3626	O	HOH	A1006		60.044	70.172	35.137	1.00	51.30	A	O
ATOM	3627	O	HOH	A1007		48.838	77.448	34.981	1.00	27.10	A	O
ATOM	3628	O	HOH	A1008		67.304	80.127	-7.945	1.00	45.85	A	O
ATOM	3629	O	HOH	A1009		67.037	83.117	22.321	1.00	44.27	A	O
ATOM	3630	O	HOH	A1010		62.800	112.945	21.553	1.00	54.32	A	O
ATOM	3631	O	HOH	A1011		57.537	87.489	31.602	1.00	43.32	A	O
ATOM	3632	O	HOH	A1012		66.885	91.489	15.525	1.00	53.66	A	O
ATOM	3633	O	HOH	A1013		52.634	99.006	-1.080	1.00	49.49	A	O
ATOM	3634	O	HOH	A1014		56.271	86.649	13.241	1.00	29.96	A	O
ATOM	3635	O	HOH	A1015		63.341	90.324	3.637	1.00	49.09	A	O
ATOM	3636	O	HOH	A1016		59.096	87.134	7.295	1.00	40.36	A	O
ATOM	3637	O	HOH	A1017		50.679	79.172	-6.240	1.00	43.11	A	O
ATOM	3638	O	HOH	A1018		74.015	83.586	17.906	1.00	37.86	A	O
ATOM	3639	O	HOH	A1019		74.310	83.376	-3.328	1.00	40.41	A	O
ATOM	3640	O	HOH	A1020		75.160	78.606	-2.004	1.00	51.22	A	O
ATOM	3641	O	HOH	A1021		67.693	79.340	-11.637	1.00	69.29	A	O
ATOM	3642	O	HOH	A1022		58.062	80.427	8.316	1.00	54.86	A	O
ATOM	3643	O	HOH	A1023		67.045	72.222	18.507	1.00	34.54	A	O
ATOM	3644	O	HOH	A1024		74.786	72.412	18.708	1.00	54.16	A	O
ATOM	3645	O	HOH	A1025		58.261	90.911	4.025	1.00	33.47	A	O
ATOM	3646	O	HOH	A1026		73.328	77.303	-8.463	1.00	44.61	A	O
ATOM	3647	O	HOH	A1027		64.928	111.589	13.285	1.00	45.12	A	O
ATOM	3648	O	HOH	A1028		75.741	49.803	26.627	1.00	51.53	A	O
ATOM	3649	O	HOH	A1029		74.567	89.038	20.275	1.00	46.83	A	O
TER	3650		HOH	A1029							A	
ATOM	3651	FE	HEM	A	501	54.952	77.691	10.637	1.00	27.43		FE
ATOM	3652	CHA	HEM	A	501	54.428	81.031	10.081	1.00	32.49		C
ATOM	3653	CHB	HEM	A	501	55.287	78.365	13.992	1.00	33.03		C
ATOM	3654	CHC	HEM	A	501	55.528	74.394	11.262	1.00	31.60		C
ATOM	3655	CHD	HEM	A	501	54.602	77.054	7.353	1.00	32.68		C
ATOM	3656	NA	HEM	A	501	54.843	79.361	11.807	1.00	32.28		N
ATOM	3657	C1A	HEM	A	501	54.615	80.651	11.406	1.00	34.41		C
ATOM	3658	C2A	HEM	A	501	54.582	81.524	12.584	1.00	36.00		C
ATOM	3659	C3A	HEM	A	501	54.824	80.765	13.643	1.00	32.35		C
ATOM	3660	C4A	HEM	A	501	54.998	79.429	13.160	1.00	32.21		C
ATOM	3661	CMA	HEM	A	501	54.884	81.195	15.077	1.00	32.95		C
ATOM	3662	CAA	HEM	A	501	54.323	82.989	12.628	1.00	40.53		C
ATOM	3663	CBA	HEM	A	501	52.883	83.293	12.993	1.00	47.08		C
ATOM	3664	CGA	HEM	A	501	52.579	84.758	13.147	1.00	50.37		C
ATOM	3665	O1A	HEM	A	501	53.509	85.576	12.992	1.00	52.71		O
ATOM	3666	O2A	HEM	A	501	51.416	85.093	13.470	1.00	52.41		O
ATOM	3667	NB	HEM	A	501	55.352	76.588	12.311	1.00	33.15		N
ATOM	3668	C1B	HEM	A	501	55.460	77.050	13.601	1.00	34.74		C
ATOM	3669	C2B	HEM	A	501	55.784	75.964	14.518	1.00	35.37		C
ATOM	3670	C3B	HEM	A	501	55.866	74.852	13.742	1.00	34.85		C
ATOM	3671	C4B	HEM	A	501	55.569	75.257	12.371	1.00	33.67		C
ATOM	3672	CMB	HEM	A	501	55.979	76.121	16.001	1.00	34.31		C
ATOM	3673	CAB	HEM	A	501	56.176	73.445	14.085	1.00	34.32		C
ATOM	3674	CBB	HEM	A	501	56.843	72.941	15.104	1.00	37.81		C
ATOM	3675	NC	HEM	A	501	55.046	75.965	9.497	1.00	33.61		N
ATOM	3676	C1C	HEM	A	501	55.272	74.709	9.955	1.00	32.38		C
ATOM	3677	C2C	HEM	A	501	55.162	73.764	8.878	1.00	31.12		C
ATOM	3678	C3C	HEM	A	501	54.884	74.489	7.764	1.00	32.72		C
ATOM	3679	C4C	HEM	A	501	54.834	75.904	8.181	1.00	33.62		C
ATOM	3680	CMC	HEM	A	501	55.338	72.269	9.051	1.00	29.89		C
ATOM	3681	CAC	HEM	A	501	54.676	74.008	6.393	1.00	35.84		C
ATOM	3682	CBC	HEM	A	501	53.566	74.148	5.652	1.00	39.50		C
ATOM	3683	ND	HEM	A	501	54.610	78.872	9.017	1.00	33.81		N
ATOM	3684	C1D	HEM	A	501	54.524	78.417	7.731	1.00	33.95		C
ATOM	3685	C2D	HEM	A	501	54.282	79.506	6.834	1.00	33.11		C
ATOM	3686	C3D	HEM	A	501	54.233	80.628	7.597	1.00	34.25		C
ATOM	3687	C4D	HEM	A	501	54.440	80.220	8.973	1.00	33.58		C

END

Figure 3 (2 pages)

Table 6

Coordinates of the 3A4 261-270 loop structure

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ATOM	1894	N	LEU	A	261	52.809	65.356	-15.866	1.00	102.07	N
ATOM	1895	CA	LEU	A	261	51.938	65.312	-17.035	1.00	104.54	C
ATOM	1896	CB	LEU	A	261	51.546	66.732	-17.473	1.00	102.70	C
ATOM	1897	CG	LEU	A	261	52.518	67.892	-17.241	1.00	102.30	C
ATOM	1898	CD1	LEU	A	261	53.418	68.082	-18.454	1.00	102.69	C
ATOM	1899	CD2	LEU	A	261	51.718	69.161	-16.978	1.00	101.43	C
ATOM	1900	C	LEU	A	261	52.646	64.544	-18.155	1.00	106.98	C
ATOM	1901	O	LEU	A	261	53.247	65.115	-19.070	1.00	107.60	O
ATOM	1902	N	GLU	A	262	52.569	63.223	-18.043	1.00	108.81	N
ATOM	1903	CA	GLU	A	262	53.182	62.311	-18.988	1.00	110.47	C
ATOM	1904	CB	GLU	A	262	54.693	62.311	-18.780	1.00	109.84	C
ATOM	1905	CG	GLU	A	262	55.473	61.587	-19.846	1.00	110.14	C
ATOM	1906	CD	GLU	A	262	56.955	61.627	-19.573	1.00	109.89	C
ATOM	1907	OE1	GLU	A	262	57.377	61.055	-18.546	1.00	109.50	O
ATOM	1908	OE2	GLU	A	262	57.694	62.237	-20.379	1.00	110.06	O
ATOM	1909	C	GLU	A	262	52.595	60.942	-18.664	1.00	111.82	C
ATOM	1910	O	GLU	A	262	52.036	60.261	-19.528	1.00	112.37	O
ATOM	1911	N	ASP	A	263	52.717	60.550	-17.401	1.00	112.85	N
ATOM	1912	CA	ASP	A	263	52.177	59.278	-16.954	1.00	113.85	C
ATOM	1913	CB	ASP	A	263	53.117	58.605	-15.950	1.00	114.14	C
ATOM	1914	CG	ASP	A	263	54.316	59.461	-15.607	1.00	113.74	C
ATOM	1915	OD1	ASP	A	263	55.093	59.791	-16.530	1.00	113.10	O
ATOM	1916	OD2	ASP	A	263	54.480	59.797	-14.414	1.00	113.67	O
ATOM	1917	C	ASP	A	263	50.839	59.537	-16.293	1.00	114.22	C
ATOM	1918	O	ASP	A	263	49.819	58.988	-16.705	1.00	114.75	O
ATOM	1919	N	THR	A	264	50.853	60.391	-15.274	1.00	114.49	N
ATOM	1920	CA	THR	A	264	49.641	60.714	-14.537	1.00	114.90	C
ATOM	1921	CB	THR	A	264	48.516	61.153	-15.490	1.00	115.03	C
ATOM	1922	OG1	THR	A	264	49.081	61.908	-16.570	1.00	114.99	O
ATOM	1923	CG2	THR	A	264	47.497	62.019	-14.755	1.00	115.23	C
ATOM	1924	C	THR	A	264	49.239	59.423	-13.831	1.00	114.81	C
ATOM	1925	O	THR	A	264	50.049	58.820	-13.124	1.00	115.42	O
ATOM	1926	N	GLN	A	265	47.999	58.991	-14.025	1.00	114.27	N
ATOM	1927	CA	GLN	A	265	47.540	57.751	-13.413	1.00	113.80	C
ATOM	1928	CB	GLN	A	265	48.352	56.581	-13.981	1.00	113.85	C
ATOM	1929	CG	GLN	A	265	47.763	55.192	-13.768	1.00	113.36	C
ATOM	1930	CD	GLN	A	265	47.026	54.669	-14.993	1.00	113.79	C
ATOM	1931	OE1	GLN	A	265	47.575	54.631	-16.099	1.00	113.51	O
ATOM	1932	NE2	GLN	A	265	45.779	54.255	-14.798	1.00	113.94	N
ATOM	1933	C	GLN	A	265	47.710	57.816	-11.892	1.00	113.66	C
ATOM	1934	O	GLN	A	265	48.716	57.348	-11.350	1.00	113.22	O
ATOM	1935	N	LYS	A	266	46.713	58.395	-11.219	1.00	113.47	N
ATOM	1936	CA	LYS	A	266	46.706	58.551	-9.758	1.00	112.97	C
ATOM	1937	CB	LYS	A	266	46.427	57.198	-9.090	1.00	111.85	C
ATOM	1938	CG	LYS	A	266	44.941	56.813	-9.108	1.00	110.12	C
ATOM	1939	CD	LYS	A	266	44.371	56.739	-10.522	1.00	108.98	C
ATOM	1940	CE	LYS	A	266	42.896	56.359	-10.503	1.00	108.31	C
ATOM	1941	NZ	LYS	A	266	42.304	56.315	-11.870	1.00	107.62	N
ATOM	1942	C	LYS	A	266	48.028	59.164	-9.287	1.00	112.84	C
ATOM	1943	O	LYS	A	266	49.065	58.502	-9.294	1.00	112.56	O
ATOM	1944	N	HIS	A	267	47.965	60.414	-8.833	1.00	112.66	N
ATOM	1945	CA	HIS	A	267	49.172	61.133	-8.476	1.00	112.74	C
ATOM	1946	CB	HIS	A	267	49.669	61.837	-9.729	1.00	112.79	C
ATOM	1947	CG	HIS	A	267	51.022	61.408	-10.175	1.00	112.83	C
ATOM	1948	CD2	HIS	A	267	51.455	60.891	-11.349	1.00	112.43	C
ATOM	1949	ND1	HIS	A	267	52.133	61.538	-9.375	1.00	112.77	N
ATOM	1950	CE1	HIS	A	267	53.196	61.132	-10.041	1.00	111.86	C
ATOM	1951	NE2	HIS	A	267	52.812	60.729	-11.239	1.00	111.68	N

ATOM	1952	C	HIS	A	267	49.153	62.160	-7.368	1.00	112.48	C
ATOM	1953	O	HIS	A	267	50.210	62.530	-6.851	1.00	113.12	O
ATOM	1954	N	ARG	A	268	47.961	62.644	-7.013	1.00	111.61	N
ATOM	1955	CA	ARG	A	268	47.821	63.677	-5.988	1.00	110.42	C
ATOM	1956	CB	ARG	A	268	46.334	63.929	-5.718	1.00	111.44	C
ATOM	1957	CG	ARG	A	268	45.614	62.678	-5.249	1.00	112.41	C
ATOM	1958	CD	ARG	A	268	44.793	62.016	-6.348	1.00	113.12	C
ATOM	1959	NE	ARG	A	268	43.639	61.344	-5.762	1.00	113.24	N
ATOM	1960	CZ	ARG	A	268	42.700	60.699	-6.446	1.00	113.64	C
ATOM	1961	NH1	ARG	A	268	42.761	60.620	-7.771	1.00	114.01	N
ATOM	1962	NH2	ARG	A	268	41.687	60.141	-5.796	1.00	113.31	N
ATOM	1963	C	ARG	A	268	48.518	63.380	-4.656	1.00	109.06	C
ATOM	1964	O	ARG	A	268	49.530	62.668	-4.590	1.00	108.79	O
ATOM	1965	N	VAL	A	269	47.961	63.957	-3.593	1.00	107.37	N
ATOM	1966	CA	VAL	A	269	48.490	63.779	-2.248	1.00	105.27	C
ATOM	1967	CB	VAL	A	269	48.444	62.289	-1.853	1.00	105.02	C
ATOM	1968	CG1	VAL	A	269	48.637	62.138	-0.361	1.00	105.40	C
ATOM	1969	CG2	VAL	A	269	47.118	61.678	-2.289	1.00	104.28	C
ATOM	1970	C	VAL	A	269	49.932	64.282	-2.201	1.00	104.06	C
ATOM	1971	O	VAL	A	269	50.851	63.533	-1.874	1.00	104.02	O
ATOM	1972	N	ASP	A	270	50.117	65.562	-2.522	1.00	102.29	N
ATOM	1973	CA	ASP	A	270	51.445	66.166	-2.559	1.00	99.69	C
ATOM	1974	CB	ASP	A	270	52.208	65.596	-3.749	1.00	101.09	C
ATOM	1975	CG	ASP	A	270	53.653	65.321	-3.436	1.00	103.19	C
ATOM	1976	OD1	ASP	A	270	54.132	64.239	-3.833	1.00	103.99	O
ATOM	1977	OD2	ASP	A	270	54.307	66.178	-2.802	1.00	104.67	O
ATOM	1978	C	ASP	A	270	51.325	67.682	-2.712	1.00	97.55	C
ATOM	1979	O	ASP	A	270	50.597	68.161	-3.583	1.00	96.89	O